STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

EIGHTH ANNUAL REPORT

TO THE

GOVERNOR OF CALIFORNIA

BY THE

DIRECTOR OF PUBLIC WORKS

JANUARY, 1955

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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

EIGHTH ANNUAL REPORT

TO THE
GOVERNOR OF CALIFORNIA

BY THE
DIRECTOR OF PUBLIC WORKS

January, 1955

GOODWIN J. KNIGHT
Governor

FRANK B. DURKEE
Director of Public Works and
Chairman, California Highway Commission

G. T. McCOY
State Highway Engineer and
Chief of Division of Highways

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STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

FRANK B. DURKEE, Director of Public Works

DIVISION OF HIGHWAYS

G. T. McCOY, Sacramento
State Highway Engineer and Chief of Division of Highways

HEADQUARTERS STAFF

Public Works Building, Sacramento

R. M. Gillis ..... Deputy State Highway Engineer

OPERATIONS

Earl Withycombe ..... Assistant State Highway Engineer

- D. G. Evans ..... Construction Engineer
- G. F. Hellesoe ..... Maintenance Engineer
- F. N. Hveem ..... Materials and Research Engineer
- E. E. Sorenson ..... Equipment Engineer
- E. J. Saldine ..... Principal Highway Engineer

ADMINISTRATION

Richard H. Wilson ..... Assistant State Highway Engineer

- H. C. McCarty ..... Office Engineer
- H. B. LaForge ..... Engineer, County and Cooperative Projects
- C. E. Bovey ..... Engineer, City and Cooperative Projects
- G. G. McGinness ..... Acting Service and Supply Engineer

PLANNING

J. W. Vickrey ..... Assistant State Highway Engineer

- J. C. Womack ..... Planning Engineer
- J. C. Young ..... Design Engineer
- G. M. Webb ..... Traffic Engineer
- F. M. Reynolds ..... Engineer, Special Studies and Highway Planning Survey
- H. L. Kile ..... Budget Engineer

BRIDGES

F. W. Panhorst ..... Assistant Highway Engineer

- A. L. Elliott ..... Bridge Engineer—Planning
- Stewart Mitchell ..... Bridge Engineer—Special Studies
- I. O. Jahlstrom ..... Bridge Engineer—Operations
- E. L. Walsh ..... Bridge Office Engineer
- R. R. Rowe ..... Bridge Research Engineer
- J. E. McMahon ..... Bridge Engineer—Southern Area
- H. C. Wood ..... San Francisco-Oakland Bay Bridge Engineer

PUBLIC RELATIONS AND PERSONNEL

CHAS. E. WAITE — Assistant State Highway Engineer
- J. P. Murphy — Principal Highway Engineer
- S. H. Lathrop — Assistant Engineer—Personnel Management
- A. I. Rivett — Coordinator of Traffic Safety Education

RIGHT OF WAY

FRANK C. BALFOUR — Chief Right of Way Agent
- E. F. Wagner — Deputy Chief Right of Way Agent
- R. S. J. Pianezzi — Assistant Chief Right of Way Agent, Administration
- E. M. MacDonald — Assistant Chief Right of Way Agent, Appraisals
- G. S. Pingry — Assistant Chief Right of Way Agent, Field Supervision, North

ACCOUNTING

E. R. HIGGINS — Comptroller
- Bert Sellier — Assistant Comptroller
- W. S. Cully — Assistant Comptroller

DISTRICT ENGINEERS

District		*Office*
I.	A. S. Hart	Eureka
II.	J. W. Trask	Redding
III.	A. M. Nash	Marysville
IV.	B. W. Booker, Asst. State Highway Engineer J. P. Sinclair, District Engineer L. A. Weymouth, District Engineer	San Francisco
V.	E. J. L. Peterson	San Luis Obispo
VI.	E. T. Scott	Fresno
VII.	P. O. Harding, Asst. State Highway Engineer W. F. Fahey, District Engineer E. T. Telford, District Engineer	Los Angeles
VIII.	C. V. Kane	San Bernardino
IX.	Milton Harris	Bishop
X.	J. G. Meyer	Stockton
XI.	E. E. Wallace	San Diego

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

FRANK B. DURKEE, Chairman, Ex Officio ..... Sacramento

Member	*Residence*	*Date of original appointment*	*Term expires*
CHARLES T. LEIGH,	San Diego	May 11, 1949	Jan. 15, 1955
H. STEPHEN CHASE,	Sacramento	Oct. 30, 1951	Jan. 15, 1955
F. WALTER SANDELIN,	Ukiah	Sept. 14, 1943	Jan. 15, 1956
CHESTER H. WARLOW,	Fresno	Sept. 14, 1943	Jan. 15, 1957
JAMES A. GUTHRIE,	San Bernardino	Sept. 14, 1943	Jan. 15, 1957
ROBERT E. MCCLURE,	Santa Monica	Jan. 18, 1954	Jan. 15, 1958

Secretary: R. C. KENNEDY, Sacramento

CALENDAR OF MEETINGS

CALIFORNIA HIGHWAY COMMISSION

July 1, 1953, to June 30, 1954

July 6, 7, 8, and 9, 1953 ..... Tour
(Inspection of State highways in Santa Barbara, Ventura, Orange, San Diego, and Riverside Counties.)

July 17, 1953 ..... Atwater
(Location of freeway between Buhach Station and 0.3 mile northwest of Atwater Canal, road X-Mer-4-C,Atw.)

*July 22, 23, and 24, 1953 ..... Sacramento

July 29, 1953 ..... La Mesa
(Location of freeway from Junction with Route 200 to Junction with Route 12, road XI-S.D-198-A,LMsa.)

August 11, 1953 ..... San Bernardino
(Location of freeway between Riverside County Line and Highland Avenue, road VIII-SBd-43,31-F,SBd;SBd.)

August 12, 1953 ..... Los Angeles
(Location of freeway between Route 2 near Seventh Street and Glendale Boulevard, road VII-L.A-4-L.A.)

*August 19 and 20, 1953 ..... Sacramento

August 24, 1953 ..... Santa Rosa
(Location of freeway between Santa Rosa and Cotati, road IV-Son-1-C.)

September 11, 1953 ..... Lodi
(Location of freeway between 0.1 mile north of Harney Lane and Mokelumne River, road X-S.J-4-C,Lod.)

*September 16, 17, and 18, 1953 ..... Sacramento

*October 21, 22, and 23, 1953 ..... Sacramento

*November 18, 19, and 20, 1953 ..... Sacramento

December 2, 1953 ..... Los Angeles
(Location of freeway between Melvin Avenue and Farralone Avenue in the City of Los Angeles, road VII-L.A-2-L.A.)

December 9, 1953 ..... Santa Cruz
(Location of freeway between 0.2 mile S. of Vinehill Road and Route 56 in Santa Cruz, road IV-SCr-5-A,Scr.)

December 15, 1953 ..... Los Angeles
(Location of freeway between the Ramona Freeway (Route 26) and the Santa Ana Freeway (Route 2 near 7th Street) road VII-L.A-4,161-L.A.)

*December 16 and 17, 1953 ..... Sacramento

January 18, 1954 ..... Holtville
(Location of freeway between 0.2 miles west of Holtville and 0.5 mile east of Holtville, road XI-Imp-27-C,Holt,D.)

January 19, 1954 ..... San Diego
(a.m.) (Location of freeway from San Diego to La Mesa, road XI-S.D-12-S.D.,LMsa.)

January 19, 1954 ..... El Cajon
(p.m.) (Location of freeway, Grossmont Summit to Tunnel Hill, through the City of El Cajon, road XI-S.D-12-B,ECj,C.)

*January 20 and 21, 1954 ..... Los Angeles

January 22, 1954 ..... Santa Ana
(Location of freeway between Dyer Road and Santiago Boulevard, road VII-Ora-43-A,Tus,Ora,B.)

*February 17 and 18, 1954 ..... Sacramento

February 26, 1954 ..... Los Angeles
(Location of freeway between Jackson Street and the Junction of San Fernando Road and Sepulveda Boulevard with connection to Route 159, road VII-L.A-4,159-Brb,L.A ;L.A.)

*March 17 and 18, 1954 ..... Sacramento

March 19, 1954 ..... San Francisco
(Location of freeway between Van Ness Avenue and Turk Street in the City of San Francisco, road IV-S.F-2-S.F.)

March 23, 1954 ..... Los Angeles
(Location of freeway between La Cienega Boulevard and Route 2, road VII-L.A-173-L.A.)

*April 21 and 22, 1954 ..... Sacramento

*May 20 and 21, 1954 ..... Sacramento

May 21 (p.m.), 22, and 23, 1954 ..... Tour
(Inspection of State highways in Sacramento, Sutter, Yuba, Butte, Tehama, Plumas, Sierra, Nevada, and Placer Counties.)

*June 23 and 24, 1954 ..... Sacramento

June 24 (p.m.), 25, 26, and 27, 1954 ..... Tour
(Inspection of State highways in Sacramento, El Dorado, Placer, Nevada Sierra, Plumas, Lassen, Trinity, Shasta, and Tehama Counties.)

* Regular meetings.

PAST MEMBERS OF THE CALIFORNIA HIGHWAY COMMISSION

Name	Residence	Date of appointment	Termination of membership	
Burton A. Towne*	Lodi	Aug. 2, 1911	Resigned	Jan. 14, 1914
Charles D. Blaney*	Saratoga	Aug. 2, 1911	Resigned	Mar. 1, 1917
N. D. Darlington	Los Angeles	Aug. 2, 1911	Resigned	Jan. 8, 1923
Charles F. Stern	Eureka	Jan. 15, 1914	Resigned	Dec. 21, 1918
Henry J. Widenmann*	Vallejo	Mar. 1, 1917	Died	Oct. 6, 1918
Charles A. Whitmore*	Visalia	Nov. 29, 1918	Resigned	Jan. 8, 1923
Emmett Phillips*	Sacramento	Dec. 21, 1918	Died	June 18, 1919
George C. Mansfield*	Oroville	June 24, 1919	Resigned	Jan. 9, 1923
Harvey M. Toy*	San Francisco	Jan. 9, 1923	Resigned	Jan. 3, 1927
Louis Everding*	Arcata	Jan. 9, 1923	Resigned	Jan. 17, 1927
Nelson T. Edwards*	Orange	Jan. 10, 1923	Resigned	Jan. 3, 1927
Ralph W. Bull*	Eureka	Jan. 6, 1927	Resigned	Jan. 6, 1931
J. P. Baumgartner*	Santa Ana	Jan. 6, 1927	Resigned	Jan. 6, 1931
M. B. Harris*	Fresno	April 18, 1927	Resigned	Jan. 6, 1931
Joseph N. Schenck	Los Angeles	Aug. 19, 1927	Resigned	Jan. 6, 1931
Fred S. Moody*	San Francisco	Aug. 19, 1927	Resigned	Jan. 6, 1931
Earl Lee Kelley	Redding	Jan. 6, 1931	Resigned	Oct. 18, 1932
Frank A. Tetley*	Riverside	Jan. 6, 1931	Resigned	July 31, 1935
Timothy A. Reardon	San Francisco	Jan. 6, 1931	Resigned	May 7, 1936
Harry A. Hopkins	Taft	Jan. 6, 1931	Resigned	Oct. 14, 1937
Philip A. Stanton*	Anaheim	Jan. 6, 1931	Resigned	Mar. 3, 1939
Dr. W. W. Barham	Yreka	Dec. 20, 1932	Resigned	May 21, 1935
Ray Ingels	Ukiah	May 21, 1935	Resigned	Oct. 4, 1935
C. D. Hamilton*	Banning	Aug. 1, 1935	Died	April 24, 1936
H. R. Judah	Santa Cruz	May 7, 1936	Resigned	Oct. 5, 1937
Paul G. Jasper*	Fortuna	May 7, 1936	Resigned	Mar. 3, 1939
William T. Hart*	Carlsbad	July 7, 1936	Resigned	Mar. 3, 1939
Robert S. Redington	Los Angeles	Oct. 5, 1937	Resigned	Jan. 27, 1939
Frank W. Clark	Los Angeles	Jan. 27, 1939	Resigned	Mar. 10, 1939
Lawrence Barrett	San Francisco	Mar. 3, 1939	Resigned	Jan. 11, 1943
Iener W. Nielsen	Fresno	Mar. 3, 1939	Resigned	Jan. 11, 1943
Amerigo Bozzani	Los Angeles	Mar. 3, 1939	Resigned	Jan. 11, 1943
Bert L. Vaughn	Jacumba	Mar. 3, 1939	Resigned	Jan. 11, 1943
L. G. Hitchcock	Santa Rosa	Mar. 10, 1939	Resigned	Jan. 11, 1943
Gordon H. Garland†	Sacramento	Jan. 11, 1943	Resigned	Sept. 14, 1943
Mrs. Dora Shaw Heffner†	Sacramento	Jan. 11, 1943	Resigned	Sept. 14, 1943
Miss Helen MacGregor†	Sacramento	Jan. 11, 1943	Resigned	Sept. 14, 1943
Verne Scoggins†	Sacramento	Jan. 11, 1943	Resigned	Sept. 14, 1943
William Sweigert†	Sacramento	Jan. 11, 1943	Resigned	Sept. 14, 1943
C. Arnholt Smith	San Diego	Sept. 14, 1943	Resigned	Jan. 1, 1949
C. H. Purcell*	Sacramento	Sept. 14, 1943	Resigned	July 31, 1951
Homer P. Brown*	Placerville	Sept. 14, 1943	Resigned	Oct. 26, 1951
Harrison R. Baker	Pasadena	Sept. 14, 1943	Resigned	Jan. 15, 1954

* Deceased.
† Member of Interim Commission.

MT. SHASTA'S SOUTHERLY FACE

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

EIGHTH ANNUAL REPORT TO THE GOVERNOR ON THE ACTIVITIES OF THE DIVISION OF HIGHWAYS

For the Year July 1, 1953, to June 30, 1954

HONORABLE GOODWIN J. KNIGHT
Governor, State of California

DEAR GOVERNOR KNIGHT: It is my pleasure to submit to you for your information the Eighth Annual Report of the Division of Highways, Department of Public Works. This report is prepared in accordance with the provisions of Section 143 of the Streets and Highways Code and presents a review of progress in state highway development under my direction during the Fiscal Year July 1, 1953, to June 30, 1954.

State highway construction programs for the past two fiscal years and for the coming year have been greatly expanded because of the augmented revenue provided by action of the Legislature in 1953. With these increased funds the planned rate of development of the State Highway System has been accelerated with particular emphasis on the alleviation of traffic congestion in urban areas and on intercity arterials by means of freeway and expressway development. During the past year the level of total highway construction has been raised to the point where the value of going contracts under way at all times is above 200 million dollars.

The Department of Public Works, through the Division of Highways and working with the California Highway Commission, will continue this accelerated rate of improvement to California highways to provide more adequate and safer traffic facilities for the ever increasing volume of cars and trucks.

SANTA ANA FREEWAY near Anaheim. Katella Avenue Overcrossing in center foreground. A federal aid project.

The Eighth Annual Report of the Division of Highways, as prepared and submitted to me by the State Highway Engineer, deals with the work and problems of state highway progress during the last fiscal year and discusses in detail the more important phases of operations, administration, planning, bridges and right-of-way acquisition.

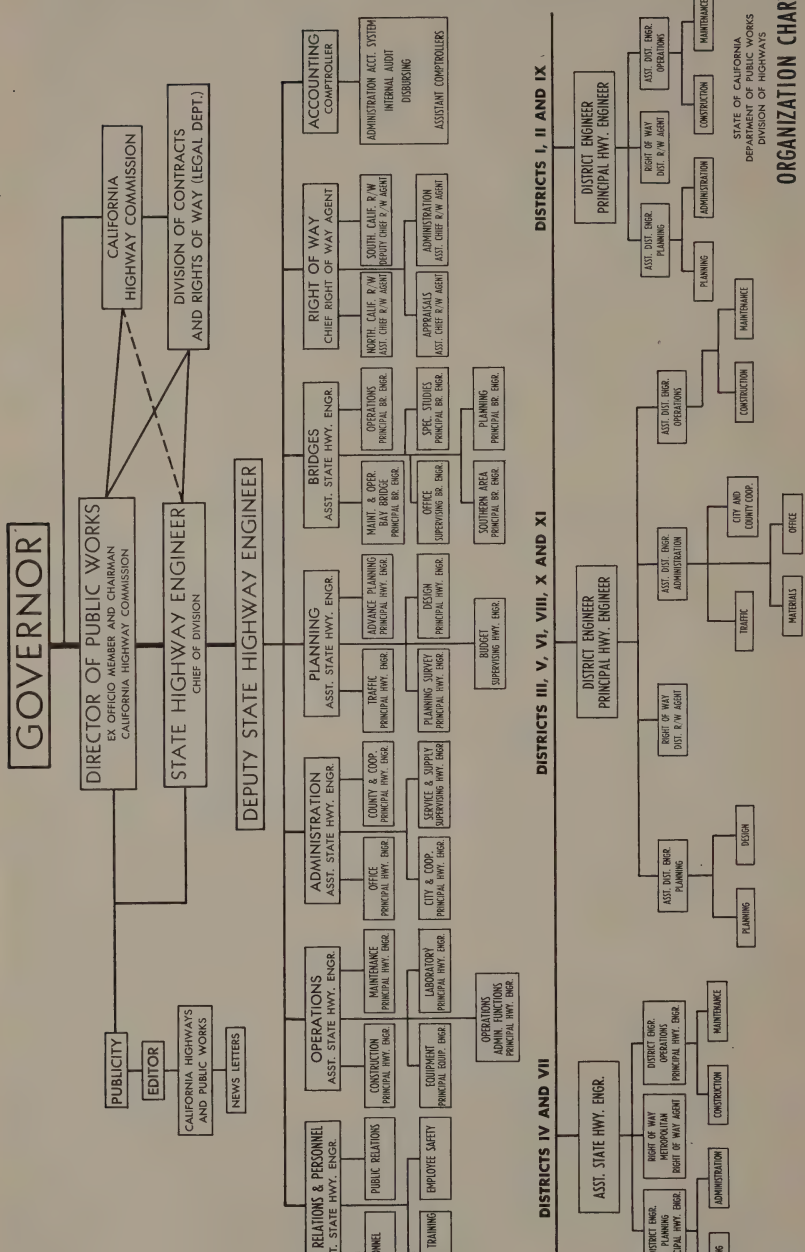
In his personal report the State Highway Engineer reviews in brief the year's progress in developing the State Highway System to provide adequate thoroughfares of high standard.

In addition to the several sections given over to each of the functions listed above the report also includes complete financial and statistical data relative to the administration of the Division of Highways.

Respectfully,

Frank B. Durkee

Director of Public Works


GOVERNOR
DIRECTOR OF PUBLIC WORKS
EX OFFICIO MEMBER AND CHAIRMAN
CALIFORNIA HIGHWAY COMMISSION
CALIFORNIA HIGHWAY COMMISSION
DIVISION OF CONTRACTS AND RIGHTS OF WAY (LEGAL DEPT.)
STATE HIGHWAY ENGINEER
CHIEF OF DIVISION
DEPUTY STATE HIGHWAY ENGINEER
PUBLICITY
EDITOR
CALIFORNIA HIGHWAYS AND PUBLIC WORKS
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SPEC. STUDIES
PRINCIPAL BR. ENGR.
SOUTHERN AREA
PRINCIPAL BR. ENGR.
PLANNING
PRINCIPAL BR. ENGR.
RIGHT OF WAY
CHIEF RIGHT OF WAY AGENT
NORTH. CALIF. R/W
ASST. CHIEF R/W AGENT
SOUTH. CALIF. R/W
DEPUTY CHIEF R/W AGENT
APPRAISALS
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ADMINISTRATION
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CONSTRUCTION
DISTRICT ENGR. OPERATIONS
PRINCIPAL HWY. ENGR.
MAINTENANCE
DISTRICTS III, V, VI, VIII, X AND XI
DISTRICT ENGINEER
PRINCIPAL HWY. ENGINEER
ASST. DIST. ENGR. PLANNING
PLANNING
DESIGN
RIGHT OF WAY
DIST. R/W AGENT
ASST. DIST. ENGR. ADMINISTRATION
TRAFFIC
MATERIALS
CITY AND COUNTY COOP.
OFFICE
ASST. DIST. ENGR. OPERATIONS
CONSTRUCTION
MAINTENANCE
DISTRICTS I, II AND IX
DISTRICT ENGINEER
PRINCIPAL HWY. ENGINEER
ASST. DIST. ENGR. PLANNING
PLANNING
ADMINISTRATION
RIGHT OF WAY
DIST. R/W AGENT
CONSTRUCTION
ASST. DIST. ENGR. OPERATIONS
MAINTENANCE
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
ORGANIZATION CHART
1954

EIGHTH ANNUAL REPORT
BY THE
STATE HIGHWAY ENGINEER

July 1, 1953, to June 30, 1954

Honorable Frank B. Durkee
Director of Public Works
State of California

Sir: In conformance to the provisions of Section 143 of the Streets and Highways Code, as amended, it is my duty and pleasure to submit to you for your approval and transmittal to Governor Knight, the Eighth Annual Report on the activities and progress of the Division of Highways in development of the California State Highway System during the Fiscal Year July 1, 1953, to June 30, 1954.

The last fiscal year has seen greater progress in the correction of critical deficiencies and improvement to traffic facilities on California highways than has ever been accomplished in a single year. Tangible results of the increased highway revenue provided by the 1953 Session of the State Legislature are now apparent throughout the length and breadth of the State in both completed projects and going contracts. Particularly is this true in the field of freeway development as more and more sections of these modern thoroughfares are open to use by traffic.

The problem of traffic congestion is still with us; however, if the rate of progress made during the last year in getting highway improvements under way can be continued for the next decade, California may be assured of the elimination of the most aggravating of its highway deficiencies and of a State Highway System adequate for the traffic load.

As an indication of the continuing effect of the increased revenue on California highway development the final recapitulation of allotments under the California Highway Commission's budget for the 1953-54 Fiscal Year shows a total amount of $303,880,000. After making statutory deductions for city streets and other purposes, the budget provides a total of approximately $272,518,000 for all state highway functions. Of this amount, $219,500,000 was allocated for major state highway construction purposes including right-of-way acquisition. The total of the commission's revised budget for 1954-55 is $328,400,000, of which $286,000,000 is for state highway purposes and of this latter amount, $225,400,000 is allocated for construction and right-of-way acquisition.

TRAFFIC ON HOLLYWOOD FREEWAY near four-level structure. Latest traffic counts at this important connection between Hollywood, Arroyo Seco and Harbor Freeways have reached 242,000 vehicles per day. A federal aid project.

That the next year will be almost as large is indicated by the budget for the 1955-56 Fiscal Year adopted by the California Highway Commission on October 21, 1954, in which the total is $291,800,000, of which $257,300,000 is for state highway purposes and of this latter amount the sum of $198,500,000 is allocated for construction and rights of way.

Between July 1, 1953, and June 30, 1954, the California Division of Highways placed under way a total of 549 contracts, the construction value of which amounted to $159,905,000, including construction engineering but not including right-of-way costs. Expenditures for right-of-way acquisition and right-of-way clearance totaled $78,660,000 for the fiscal year.

The total of $159,905,000 in contracts awarded during the year includes $142,405,700 for construction on state highways; $8,330,800 in federal-aid secondary contracts for improvement to county roads located on the Federal-aid Secondary Highway System; and $9,168,500 for contracts financed with maintenance funds and for work for other agencies. Included in this $9,168,500 is an amount of $4,946,900 for the dividing and widening of the Waldo Approach to the Golden Gate Bridge in Marin County which is being financed by the Golden Gate Bridge and Highway District and an amount of $442,000 for the grade separation at Studebaker Road on Firestone Boulevard, financed by the Southern Pacific Company.

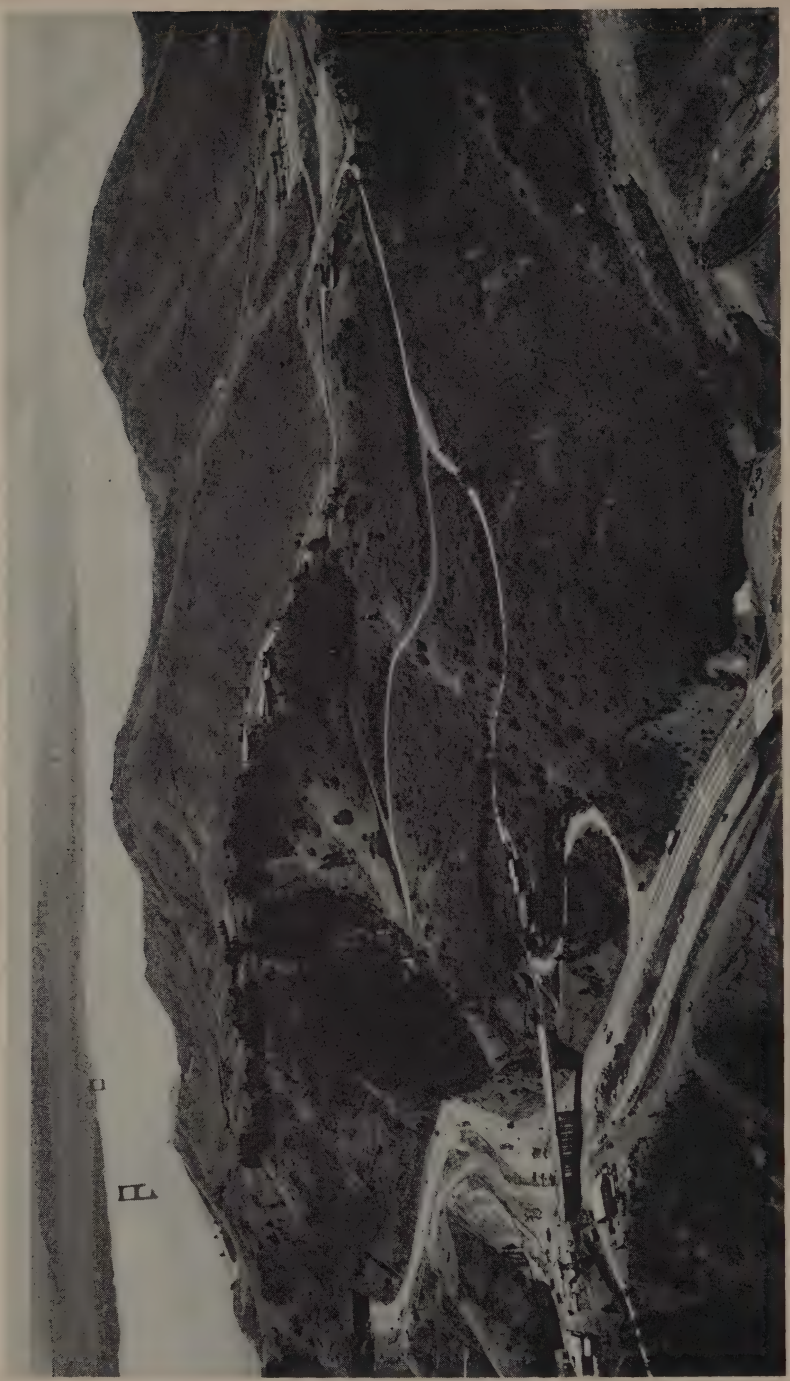
The amount of $142,405,700, representing the construction value of contracts awarded for improvement to the State Highway System, is comprised of $126,203,300 in contracts financed from the Highway Commission's budget for the 1953-54 Fiscal Year and $16,202,400 in contracts financed from the 1954-55 Fiscal Year budget which were awarded under permissive statutory provisions between April 1 and June 30, 1954.

The total of $159,905,000 in highway construction administered by the department included improvement to 1,323.8 miles of highway and construction of 291 bridge and grade separation structures.

This construction placed under way during the last fiscal year continued the Division of Highways program for advancing improvement on state highways throughout California to the full extent of available funds, emphasizing the development of freeways in urban areas and expressway construction on main arterials connecting centers of population.

During the year the Hollywood Freeway was completed, and opened to traffic over its full length from the Civic Center in Los Angeles to the San Fernando Valley. By June of 1954, week day traffic on one section of this freeway had reached 165,000 vehicles per day. The intersection of the Arroyo Seco-Harbor Freeway and the Hollywood Freeway, at the four-level interchange structure, handles some 242,000 vehicles every weekday. This is believed to be the busiest intersection in existence.

The Santa Ana Freeway has been completed to full freeway standards or is under construction from the Civic Center to and through the City of Santa Ana with the exception of a couple of short sections on



WIDENING OPERATIONS on Waldo Approach to Golden Gate Bridge in Marin County. Bridge towers penetrating the fog.

the southerly end. Over 24 miles of the Santa Ana Freeway have been completed in Los Angeles County and Orange County; construction is now in progress on nearly five additional miles in the two counties.

The Ramona Freeway leading easterly from downtown Los Angeles is being rapidly advanced. In Los Angeles County 9.3 miles have been completed and 9.6 miles are under construction. Beginning at the Los Angeles-San Bernardino county line an additional 7.2 miles are under way in San Bernardino County.

On the Harbor Freeway, planned to carry traffic southerly from the distribution structure in the heart of Los Angeles to San Pedro 2.2 miles have been completed and 2.8 miles are under contract. Tapping the central business section of the city and leading southerly through what promises to be a large industrial area, the Harbor Freeway will undoubtedly be one of the most important of these thoroughfares in the Los Angeles metropolitan community.

Progress being made on other freeways in Southern California includes three miles under construction on the Golden State Freeway; the bridge across the Arroyo Seco and 1.6 miles of highway completed and one mile under construction on the Colorado Freeway at Pasadena; 2.8 miles of the Los Angeles River Freeway leading from Long Beach to a connection with the Santa Ana Freeway has been completed and 3.8 miles is under construction; in San Diego County the 10.5 miles of the Oceanside-Carlsbad Freeway has been completed as have 7.6 miles of the Montgomery Freeway between San Diego and the Mexican border, and an additional 3.9 miles of this latter route is under construction.

In the San Francisco Bay area the Bayshore Freeway is developing in the City of San Francisco, 3.2 miles having been completed and 4.2 miles are under construction within the city limits. Penetrating the central portion of the city with connections to US 101 and the San Francisco-Oakland Bay Bridge (US 40) much of this portion of the Bayshore Freeway in San Francisco is elevated. Construction of the Bayshore Freeway in San Mateo County has been completed on 11.4 miles and 5.0 miles are under contract.

On the easterly side of San Francisco Bay the Eastshore Freeway has been completed from Market Street in downtown Oakland to Jackson Street south of Hayward, a distance of 15.8 miles and from Warm Springs in southern Alameda County to six miles south of the Alameda-Santa Clara county line.

There is also under way a contract for freeway construction on 2.9 miles between the Eastshore Freeway at San Lorenzo and 0.4 mile east of Foothill Boulevard which will serve as the connection from US 50 to the Eastshore Freeway.

On the Eastshore Freeway north, the distribution structure is being revamped to provide interchange without intermingling of traffic lanes and the freeway is being widened to eight lanes to El Cerrito overhead.

In Marin County in the Bay area US 101 has been completed through San Rafael with an adequate interchange at the San Quentin Wye and the Waldo Approach to the Golden Gate Bridge is being re-

WEST SACRAMENTO FREEWAY approaching Tower Bridge. A federal aid project.

constructed to freeway standards over a four-mile distance, including a new tunnel parallel to the old tunnel.

Other freeway construction which has been recently completed or is now under way throughout the State includes such projects as: The Elvas Bridge and 2.9 miles of freeway across the American River at Sacramento; 13.6 miles of US 40 in Sacramento and Placer Counties, sometimes referred to as the Roseville Freeway; the two-mile unit of the Fresno Freeway on US 99 between Veilman Street and Princeton Avenue; the 7.8-mile Tulare Bypass on US 99; US 99 in vicinity of Manteca, 9.0 miles; 1.6 miles of US 101 through Salinas and 5.4 miles south of Salinas in Monterey County; US 101 between Arroyo Grande and Pismo Beach in San Luis Obispo County; the Ventura Freeway with 11.2 miles completed and 12.9 miles under construction; and freeway construction in the vicinity of Fortuna, Eureka and Arcata.

Complete lists of contracts for freeway construction may be found in the section of this report devoted to Administration.

At the present time there are 1,402 miles of divided state highways of four or more lanes completed or under construction, of which 1,068 miles have been placed under way since World War II. These mileages include 241 miles of full freeways with complete control of access and without crossings or left turns at grade. On a large portion of the remaining mileage the State either owns or is securing control of access to provide a limited freeway of the expressway type.

On the following pages of this report will be found detailed discussions of the phases of activity which I have mentioned as well as many others. These reports, under the heading of Operations, Administration, Planning, Bridges, Rights of Way, Public Relations, Accounting, and Legal Activities, indicate the progress made throughout the department during the year.

Highway contracts awarded for the year July 1, 1953, to June 30, 1954, segregated by types and mileage, are shown in the tabulation on page 77. The tabulation on page 80 shows the total miles in the State Highway System by types and by rural and urban highways.

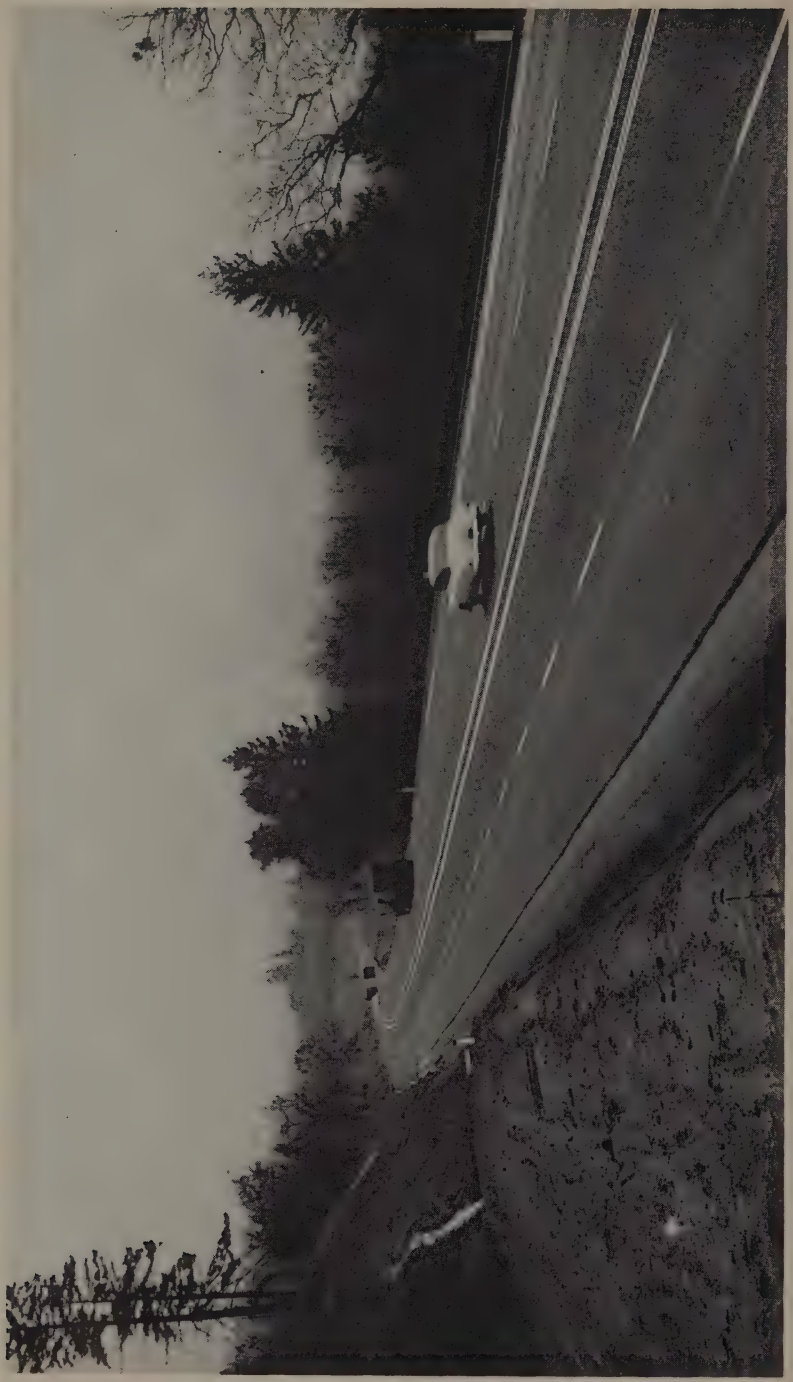
Tabulation of average contract prices for major items of construction over the years appears in Appendix "D" at the end of the report. Studies in construction cost trends and their effect upon state highway construction are discussed in the Administration section under the heading of the "California Highway Construction Cost Index." The data in Appendix "D" are correlated to the prices used in preparation of the cost index.

In other appendices following the text of the report are given important accounting and contract statistics.

Respectfully submitted,

G T McCoy

State Highway Engineer
Chief of the Division of Highways



EXPRESSWAY CONSTRUCTION on Redwood Highway in Mendocino County south of Ridgewood Summit. A federal aid project.

OPERATIONS

Continuing the Headquarters' organization policy established in 1947, the functions of Construction, Maintenance, Materials and Research, and Equipment are administered by the Assistant State Highway Engineer—Operations. Following are reports covering each of these functions, including Operations Administration, for the year ending June 30, 1954.

CONSTRUCTION

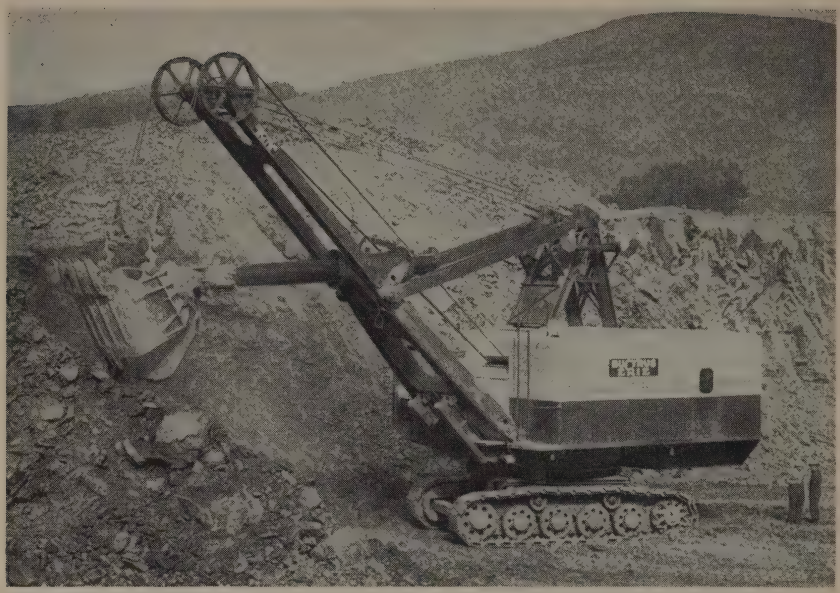
As a result of the increase in highway user taxes provided by the 1953 Legislature supplemented by unexpected returns from the Motor Vehicle Fund, the highway construction program during the 1953-54 Fiscal Year reached a peak never before attained by the division. For example, at the close of each of the two preceding fiscal years, about 220 contracts under the jurisdiction of the Construction Department were under way, whereas, at the close of the current fiscal year there were 308 in progress.

During the year the policy of contracting all minor improvement work possible was particularly stressed; also, a thin bituminous-mix blanket program was adopted with the idea of reinforcing certain especially selected pavements until they could be improved to higher standards. These two features accounted for a large number of small contracts. In general, however, the size of the major highway projects is increasing, and large joint venture contracts totaling from one million to four and one-half million dollars are not unusual. The response to call for bids has indeed been gratifying and the quality of the finished work has been very acceptable.

Various statistical information relative to cost index and other contract details may be found elsewhere in this report under Administration.

Construction Practice

Grading. Unusually large grading quantities have presented a challenge to the contractors who are charged with the responsibility of meeting the specifications both as regards quality of work and time limit. Almost every type of modern equipment is employed, from six-yard electric shovels, sand dredgers pumping in the neighborhood of one thousand cubic yards of fill per hour, to the commonplace fleets of huge carry-all scrapers and trucks. Occasionally, particularly ingenious contractors come up with interesting equipment to meet their own special problems as shown in the accompanying illustrations.



SIX-CUBIC-YARD ELECTRIC SHOVEL excavating material for Candlestick Point open water fill on Bayshore Freeway in San Mateo County

One new development is a vibratory compactor which is still being closely observed but gives promise of success on highway work. Tests have also been made during the year with still another type of compaction equipment—the segmented four-wheel roller. On the basis of the limited data presently available, this roller appears to qualify under state grading specifications.

It is interesting to note that the average contract price on roadway excavation is down $0.06 per cubic yard from last year's report and $0.11 from two years ago.

Bituminous Surfaces. The use of plant-mixed surfacing continued at an unusually high level throughout 1953-54. The tentative new specifications for plant-mixed surfacing were given a thorough trial and necessary adjustments made as work progressed. The Construction Department representative, mentioned in the last annual report, inspected and inventoried for specification purposes approximately 75 percent of the asphalt paving plants in the State. As a result of this work, equipment and procedures required by the specifications are rapidly becoming standardized and thereby more uniformly controlled. Furthermore, the advice and assistance of this specially trained engineer to the field engineers and inspectors actually engaged on specific contracts are paying big dividends in a better end product and a more uniform interpretation and application of specifications.

During the fiscal year, two experimental projects were initiated in connection with asphaltic resurfacing of old concrete pavements. These consisted of placing various sizes, types and shapes of wire mesh on

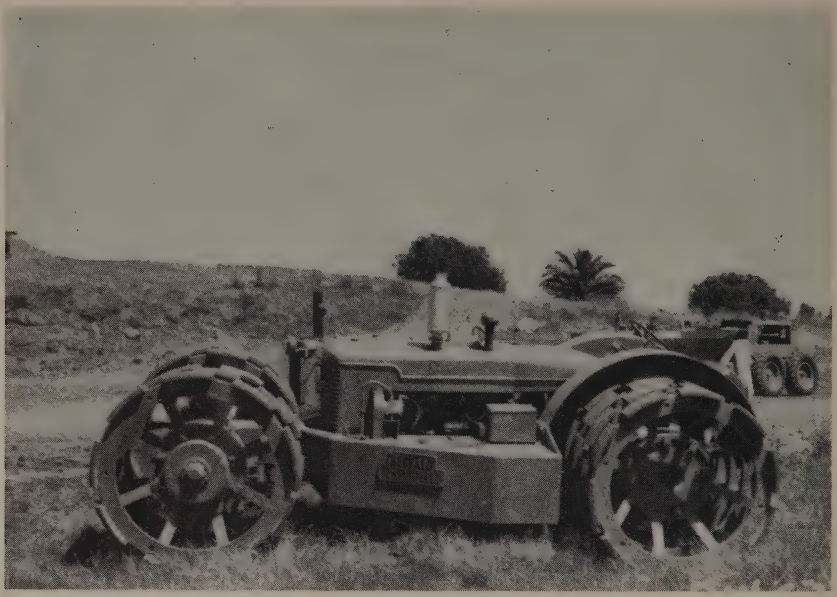
the old pavement before placing the plant-mixed material, with the thought that this would provide reinforcing to help prevent premature cracking or failure of the new surface. Although much valuable experience was gained in the actual placement of the wire, insufficient time has elapsed to determine what long-term effect will be.

One of the newer developments with respect to placing the mix is the use of bottom dump trucks in conjunction with a windrow sizer and spreading machine. This procedure, which utilizes a cheaper method of hauling and handling and permits a smoother operating sequence on the street, will ultimately result in lower unit paving costs. Incidentally, the bottom dump truck idea is spreading to all pay load hauling, including imported base materials and concrete aggregates to the batching plants.

Portland Cement Concrete Pavements. Experimental work was begun during the year with finishing equipment which may be adapted to construction of 24-foot-width pavement in a single operation by California methods of delayed finish. This equipment, if ultimately successful, may eventually lead to optional full width construction and lower unit costs.

There has been a trend in the last year toward increased use of air entrainment for pavement concrete. The admixture is not being used because of its property of increasing the concrete's resistance to freezing and thawing, but rather to improve the workability of harsh mixes and to reduce bleeding conditions encountered during cold weather paving.

FORK-MOUNTED JUMBO DRILL especially built for use on high rock faces. Yosemite all-year road in Mariposa County.



SEGMENTED ROLLER. This type used on construction of Eastshore Freeway, South, in Santa Clara County.

The sawing of weakened-plane contraction joints with diamond rimmed saws, discussed briefly in the last two annual reports, now is almost a routine operation. Although several companies are furnishing acceptable sawing equipment, further improvements in blades and machines are continuing to reduce the cost of this relatively new technique.

Project and Materials Reports, Plans, Specifications and Estimates. As mentioned in prior annual reports, personnel in the Construction Department are designated to correlate the opinion and recommendations of each section of Operations and submit a combined recommendation to the Headquarters Department that is responsible for approval of the item or report being processed. Field studies are made as required in connection with these reviews.

Honor Camp Projects

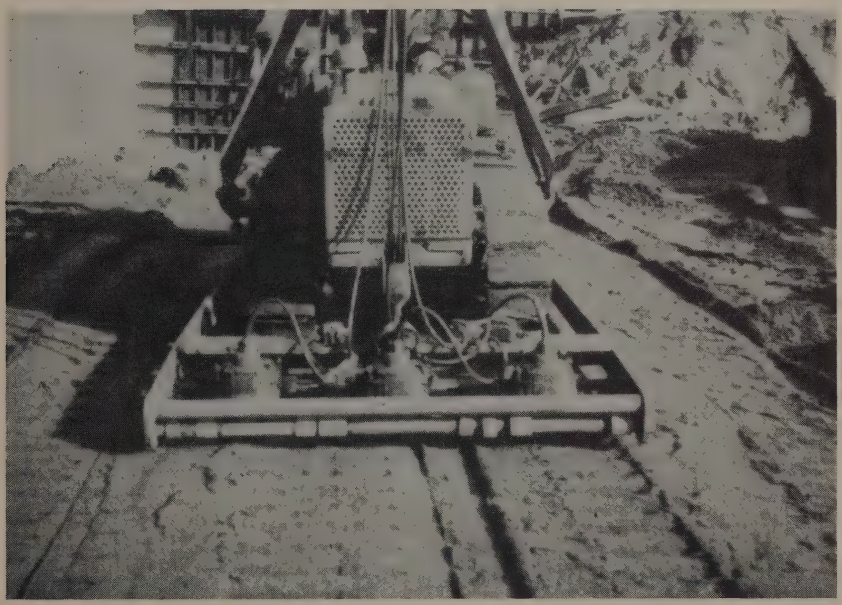
The most noteworthy change since 1923 in the management of the state highway honor camps occurred during the 1953-54 Fiscal Year.

Under an agreement dated September 10, 1953, between the Department of Corrections and the Department of Public Works, supported by enabling legislation, the latter now furnishes the camp completely equipped, the highway work to be accomplished including the necessary supervision, and pays Corrections $3.50 per day for each and every inmate-day's work on the job. Corrections assumes among other items, the responsibility of feeding and clothing the inmates, providing transportation to and from the camp and the institution, managing the commissary and canteen, and continues to supervise and control the

inmates as required by law. This arrangement has worked out remarkably well because the agreement has set up a natural division of responsibilities between the two departments.

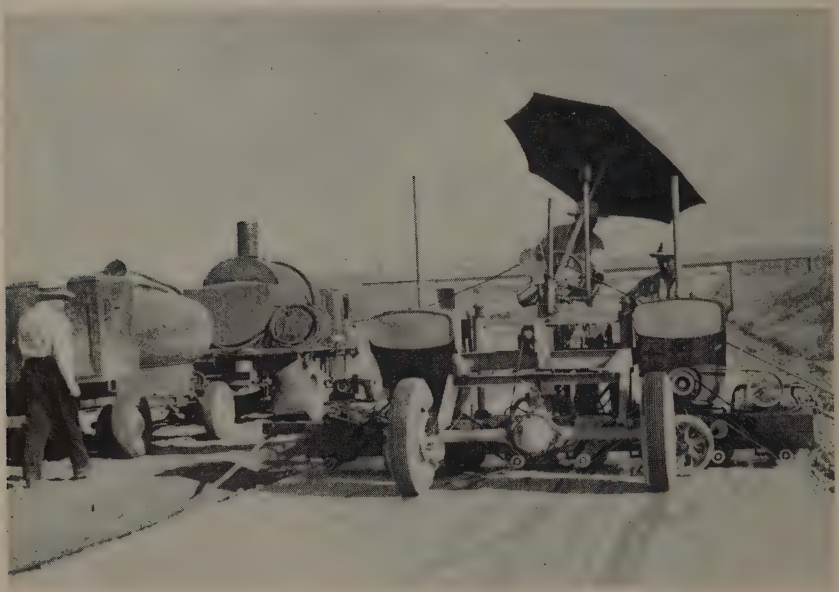
Camps Nos. 36 at Burnt Ranch, Trinity County, 37 at Cedar Springs, Los Angeles County and 39 at Sugar Hill in Modoc County continued operations during the fiscal year.

At Camp 36 the remainder of the grading between Burnt Ranch and the District II line, a distance of about 14.5 miles, was completed and a penetration oil treatment applied to the road surface. Except for 2.4 miles of widening at New River Bluffs where preparatory drilling is now underway, all grading in District I easterly from the Trinity county line to the District II line, a total distance of about 25.8 miles has been completed. In addition, about 5.4 miles of crushed rock base has been placed between Salyear Post Office and Burnt Ranch on Tri-20-C. Some clearing, grading and culvert work has been accomplished between the Trinity county line and Willow Creek in Humboldt County where it is planned to continue this work during the 1954-55 Fiscal Year. At Camp 37 the work has progressed easterly to the end of LA-61-D2 at Vincent Gulch Divide. Work on this section is usually shut down for several months in the winter due to heavy snow. At such times activities are diverted to the road between Islip Saddle and Crystal Lake, LA-62-B, where a construction road has now been pioneered down the mountain for approximately 1.5 miles. At



VIBRATORY COMPACTOR used on construction of Eastshore Freeway, North, in Alameda County

BOTTOM DUMP TRUCKS being used with windrow-sizer, elevator, and spreading machine on plant-mixed surfacing contract in Yolo County

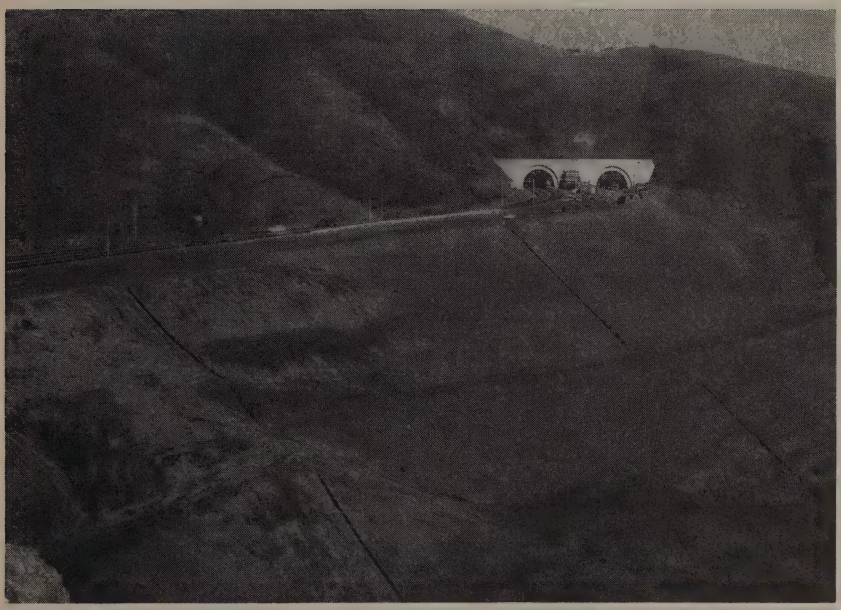


MULTIBLADE CONCRETE SAW making weakened-plane joints in portland cement concrete pavement on state highway in Yolo County

Camp 39 rough grading was continued between Davis Creek and Alturas. Fencing and drainage work have been completed, including the completion of the rubble masonry and concrete culvert at Parker Creek.

The following tabulation shows camp locations and inmate population as of June 30, 1954.

Camp No.	*Road*	*Camp location*	*Inmate quota*	*Number of inmates 6-30-54*
36	I-Hum,Tri-20-D,CD	Burnt Ranch	50	53
37	VII-LA-61,62-CD,B	Cedar Springs	100	93
39	II-Mod-28,73-C,A	Sugar Hill	50	58



TUNNELS ON WALDO APPROACH to Golden Gate Bridge in Marin County. New tunnel on right.

TULARE BYPASS showing US 99-SHR 134 interchange. A federal aid project.

MAINTENANCE

The second consecutive year of relatively mild winter weather throughout the State aided materially the maintenance of the highway system. Although rainfall in some northcoast areas was above normal, storms were generally of such duration and so spaced as to cause a minimum of road surface damage.

The spring breakup of roads in the snow zone was also at a minimum; however, unseasonably hot weather in some northern counties during the spring caused damage to pavements and bases still moist from winter rains.

Forest fires were responsible for an abnormal amount of road closures, especially in the southern part of the State, during the summer and fall months. A four-day closure was experienced on SSR 2, the Angeles Crest Highway, during July; and a serious fire in the Lake Arrowhead area stopped traffic on SSR 18 for 60 hours in the latter part of August. The San Gabriel Canyon road north of Azusa was closed for eight days during September by fire in the Angeles National Forest.

Release during the spring months from the large amount of emergency work required some years permitted crews to concentrate on routine road maintenance to the end that by the close of the fiscal year, the system was in exceptionally good condition from a maintenance standpoint.

The total expenditure for maintenance work, including operation and repair of the Martinez-Benicia Ferry system, for the year was $24,009,425.

Maintenance Stations

Buildings and plants funds allocated for maintenance stations were concentrated during the year on the acquisition of new sites, construction of new stations and the repair of existing installations. Some of the new construction served to replace rented facilities. As funds permit, rented quarters are being eliminated by the construction of modern buildings suitably located in the territory to be served.

Early in the fiscal year with the introduction of the minor contract procedure, steps were taken to arrange for the contracting of such repair and minor improvement work at maintenance stations as building, plumbing and electrical alterations, painting, minor structure construction and well and pump repair. In previous years, much of the work of this nature had been performed by maintenance forces under authority of day labor work orders.

During the year a new site was acquired at Red Bluff and contracts let for grading, fencing and water supply. Yard grading and surfacing was started at the new Truckee yard following completion, under a Division of Architecture contract, of truckshed, storage and office structures. A new station at Tahoe City was also completed under a similar contract. A city block south of 15th Street under the structures

PILE RETARD for bank protection at washout on Eel River near Pepperwood in Humboldt County

of the James Lick Memorial Freeway (Bay Shore) in the City of San Francisco was set aside for maintenance station purposes and preliminary plans prepared for the first stage of building construction. An all-metal truckshed was constructed at Paso Robles. Property was acquired at Hollister and a yard and building contract let. A truckshed and yard appurtenances were built by contract on a site acquired the previous year at Orosi in Fresno County. Land was acquired and construction started on a similar installation at Glennville in Kern County. Acreage for a new station was also acquired at Bodfish in the same county. An application was filed with the government for a site east of Baker in San Bernardino County. Drilling of a deep well, the first step in the development of a treated water system, was undertaken at Desert Center in Riverside County, and at Indio a contract was let for the construction of a highway superintendent's office. At San Bernardino, new maintenance station facilities serving three highway superintendents, two foreman's territories and several district-wide crews were completed under a contract supervised by the Division of Architecture. New Equipment Department shop facilities adjoin this yard.

The cost of maintenance station repairs and improvements was as follows:

Acquisition of Lands and Buildings	$57,616
Improvements and Betterments	235,986
Repairs and Replacements	126,503

Snow Removal and Sanding Icy Pavements

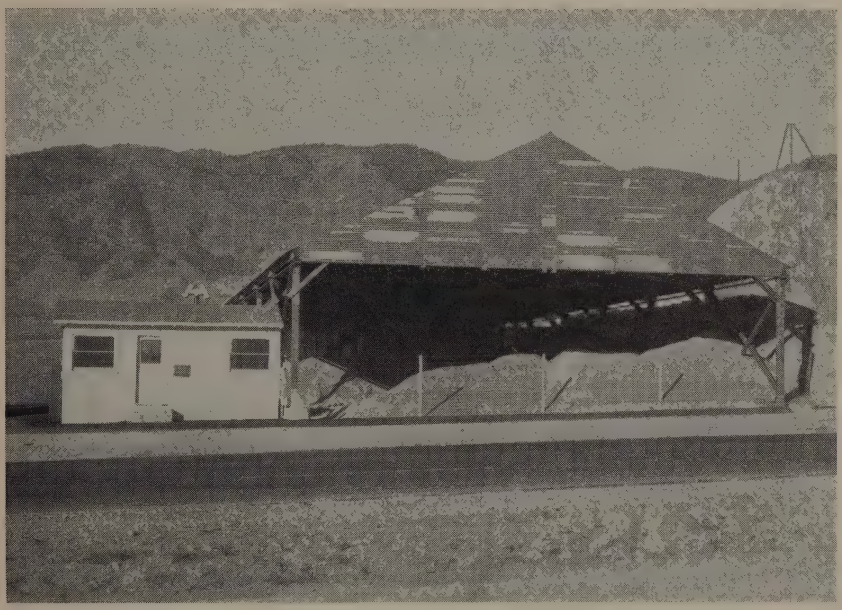
The mildness of the winter season was indicated by snowfall records and the opening dates of the passes. The total snowfall at Soda Springs on US 40 was 307 inches as compared to 446 inches for the 1952-53 season and 793 inches for the winter of 1951-52.

The opening dates of the mountain roads allowed to close each season are shown below:

Route	*Name*	*Elevation (feet)*	*Opening date 1952-53*	*1953-54*
SSR 89	Lassen Volcanic National Park, within park	8,500	6-27-53	5-19-54
SSR 89	Fish Hatchery to Bliss State Park	6,300	5- 6-53	5-19-54
SSR 89	Luther Pass	7,700	5- 8-53	4-30-54
SSR 88	Carson Pass	8,573	6-19-53	5-21-54
SSR 4	Ebbetts Pass	8,800	6-19-53	5-21-54
SSR 108	Sonora Pass	9,624	6-18-53	5-26-54
SSR 120	Tioga Pass	9,941	5-23-53	5-26-54

The first major storm of the season on October 18th temporarily closed Sonora Pass, Tioga Pass and the Lassen Loop Highway. Another storm on November 5th closed these roads as well as Carson Pass and Ebbetts Pass for the winter. SSR 87 along the Emerald Bay portion of Lake Tahoe closed December 4th. Luther Pass remained open until January 15th.

Blizzard conditions which required the closing of the road for traffic protection prevailed in the Donner Pass area of U. S. 40 during a portion of January. Thirty-three inches of snow fell at Soda Springs



SAND SHELTER at Holland Summit on Ridge Route in Los Angeles County

DISPOSING OF ROADSIDE BRUSH with "brush chopper"

on January 17th. Fifty-seven inches fell at this recording station in a three-day period in February.

Sanding operations were continued as a part of the traffic protection program, and experimentation with salt applications continued with favorable results in the northern part of the State. It is expected that this method of treatment will be extended during the next winter season to such main lines of travel as the Ridge Route between Los Angeles and Bakersfield and the mountain highways near San Bernardino. Preparation was made at the close of the fiscal year for the trial assignment of several light, fast, plow-equipped trucks as replacements for heavier four-wheel-drive vehicles previously used at several locations in the northern part of the State.

The direct field expenditure, exclusive of work performed by cities, for snow removal and sanding icy pavement during the 1953-54 season was $1,243,688.

Major Slides and Storm Damage

By comparison with other years, damage to highways by storms was not great during the 1953-54 Fiscal Year, although some intense storms of short duration were experienced and concentrated damage incurred.

Extremely heavy rainfall on the week end of November 21st-22d caused damage and interrupted traffic on some north coast roads, especially in Del Norte County. It was reported that some 14 inches of rain fell in 24 hours at Gasquet on the Smith River, and the river reached one of the highest stages recorded.

Runoff resulting from this storm interrupted traffic on US 199 along the Smith River and washed out the construction detour at Jordon Creek north of Crescent City on US 101.

That portion of the State as well as the Russian River area north of San Francisco and portions of Southern California experienced periods of heavy rainfall during January with resultant flooding and damage.

During February, high water in the Eel River threatened loss of the highway near Miranda and Pepperwood on US 101. River encroachment on the highway at these locations necessitated emergency bank protection measures, which were handled on a day labor and an informal contract basis under a declaration of emergency by the Director of Public Works.

A large slide closed SSR 1 about seven miles north of Jenner on the Mendocino coast on April 11th. Maintenance forces were required to unload the slide from the top, and the road was opened to controlled traffic on May 18th. Unrestricted traffic was permitted at this point on June 14th.

The total field cost of slide removal and storm damage repair, exclusive of work by cities, for the year financed from maintenance funds amounted to $1,257,056.

Repair of Traveled Way and Shoulders

A normal program of surface restoration was carried out by maintenance forces during the summer and fall of 1953.

The total expenditure, including work performed by city forces, for the several phases of traveled way and shoulder restoration and preservation for the 1953-54 Fiscal Year was $3,523,268, and is detailed as follows:

Type of work	*Approximate mileage* *Traveled way*	*Shoulders **	*Direct field cost*
Reprocessing traveled way	198	--	$358,658
Reprocessing shoulders	--	126	144,386
Penetration treatment, traveled way	78	--	69,182
Penetration treatment, shoulders	--	88	25,871
Bituminous blanket, traveled way	455	--	1,672,444
Bituminous blanket, shoulders	--	79	55,727
Seal coat, traveled way	1,145	--	939,824
Seal coat, shoulders	--	407	59,651
Base restoration, traveled way	18	--	47,920
Shoulder restoration	--	34	18,856
Asphalt subsealing of concrete pavements	40	--	130,749
Total			$3,523,268

* Shoulder miles.

Asphalt Subsealing and Joint Sealing

Treatment of concrete pavements by the subsealing process was continued during the year. There is definite evidence that the prevention of further loss of subgrade material at pumping joints by this process adds materially to the life of concrete pavements. During the year, maintenance funds financed subsealing to the extent of $130,749.

Filling of pavement joints and cracks was continued by maintenance forces using air blown asphalt and cold asphalt latex emulsion. It has

EASTSHORE FREEWAY looking northerly showing Davis Street interchange. A federal aid project.

been observed that spalling at cracks is more prevalent when a filler is not applied.

Bridge Repair and Maintenance

There was no major change in the performance of bridge repair and painting over that of previous years. Major repair and repainting work let to contract during the year amounted to $246,629. The direct field cost of bridge maintenance as performed by state and city forces was $353,959.

Painting on the Dumbarton, San Mateo, and Carquinez Bridges and insurance on the Carquinez and Antioch Bridges, financed with maintenance funds, amounted to $171,052.

Martinez-Benicia Ferry System

As authorized by the Statutes of 1953, the Maintenance Department on October 6, 1953, took over the operation and maintenance of the Martinez-Benicia Ferry system. The system, consisting of two ferry boats and slip facilities, had been operated previously by the City of Martinez.

During the remainder of the fiscal year, 145,344 vehicles and 194,300 passengers were transported. Revenue derived amounted to $119,639 and expenditures and contract obligations for operation and repair amounted to $219,639.

The larger of the two boats, the *City of San Rafael,* was declared unseaworthy by the U. S. Coast Guard in February, thus confining service with the resultant loss of revenue to the smaller ship, the *Charles Van Damme.*

PAINTER WORKING from truck-mounted personnel hoist

Maintenance of State Highways in Cities

No major change was made in the manner of maintaining state highways in cities and the direct field costs of such work were:

State forces	$1,938,357
City forces	1,442,114

Trees, Roadside Development and Roadside Vegetation Control

The care of roadside vegetation and growth control is an important and continuing part of highway maintenance.

The use of large, mechanical brush mowers and brush choppers for brush disposal immediately along the roadside and chemical brush killers for spraying and destroying the stumps, has made it possible to keep up the necessary roadside clearance along the mountain and coastal roads of the State.

Fire hazard control along highways through hazardous areas has been one of preparing a clean roadside strip over which fire will not pass from the traveled way into adjacent lands.

There were 3,540 roadside miles treated by this department during the year, of which 57 percent were sterilized with chemicals, 39 percent were disced or bladed and 4 percent were burned. Chemicals used were borate-chlorate compounds, solium chlorate and an organic herbicide, each being used in an area best suited to the qualities of the sterilant. There was cooperative burning on additional mileage by this department and the U. S. Forest Service, State Forest Service and local fire departments.

The control of noxious weeds along state roadsides is a recognized obligation of this department. There were 29 counties doing this work along state highway roadsides under service agreement with the State during the year. State forces did the necessary work in the other 28 counties. Some 21 varieties of noxious weeds in addition to a few local nuisance weeds were treated.

The maintenance of landscaped freeways, planted median strips and other areas and the care of trees has expanded with the construction of new roadways. All mechanical and chemical methods known to the profession are tried and adopted if found to be beneficial toward proper maintenance with a minimum of manpower. Specially trained tree and landscape men are used for this type of work.

Maintenance expenditures, exclusive of work performed by cities, for roadside growth control for the fiscal year were:

Fire hazard control and noxious weed control	$249,532
Care of planted areas	653,282
Care of trees	386,282

Traffic Signals and Highway Lighting

At the close of the fiscal year, state forces maintained signal equipment at 1,213 of the 2,149 signalized intersections on state highways. Reports indicated that 136 new signalized intersections were constructed during the year; however, there were many relinquishments and replacements which reduced the net gain for the year.

State forces maintained illuminated signs at 405 locations. State, city and utility company forces serviced about 28,600 overhead lights at state highway intersections and interchanges.

Truck-mounted, hydraulically operated personnel hoists, of the platform type or telescoping boom type, were used in some districts for relamping, reglassing and painting.

Traffic signal lamps were obtained under a rigid specification which provided a 6,000-hour-life lamp. Use of this new lamp permitted relamping every eight months with a minimum of burnouts. Previously, relamping was done every six months using a 4,000-hour-life lamp, and burnouts were frequent.

Protection of metal posts from rust has been an acute problem in districts along the coast. During the year, all new metal poles and mast arms purchased by Service and Supply for replacement purposes were galvanized, and it is expected that in the future galvanized poles and mast arms will be provided at the time of construction.

During the 1953-54 Fiscal Year, direct field expenditures for maintenance of lights, signals and electrical devices amounted to $706,012. This amount was exclusive of the work performed by cities which was also financed from maintenance funds.

Warning and Directional Signs

During the year the department spent maintenance funds in the amount of $248,720 and construction funds in excess of $185,000 for the installation and maintenance of signs on the State Highway System. Approximately 11,300 new installations were made on new construction and existing highways. About 7,650 damaged or obsolete signs were replaced. The department has continued the use of porcelain enamel signs which have a long service life. Approximately 6 percent are annually replaced because of damage or obsolescence. Maintenance, including cleaning, washing, post straightening and painting, was performed throughout the year on approximately 121,000 signs.

Traffic Striping and Pavement Markings

Traffic lines were painted and maintained on approximately 11,500 miles of state highways. The direct field expenditure of maintenance funds, exclusive of work performed by cities, for this important traffic service including the painting of pavement markings was $716,105.

Traffic paint containing chlorinated natural rubber formulated by the Materials and Research Laboratory in 1951 has continued to exhibit excellent resistance to wear, especially on roads in snow areas subject to sanding operations.

Radio Communications

The division's state-wide high frequency FM radio system was in operation in all districts at the end of the fiscal year. The system again proved its value as a means of expediting and coordinating various phases of highway work.

HIGHWAY RADIO ANTENNAS and transmitter house at Cuyamaca Peak in San Diego County

Through the use of this medium supplemented by teletype service during the winter season, road conditions are reported by the districts to Headquarters each morning. This data is consolidated and immediately transmitted to all district offices and to interested service organizations, radio stations, newspapers and others for dissemination to the public.

At the close of the fiscal year, the Division of Highways radio system consisted of the following:

78—Base stations;
28—Fixed relay stations;
23—Control stations;
11—Microwave stations;
630—Mobile radio units.

Outdoor Advertising

The administration of the Outdoor Advertising Act was carried out on the same basis as in the past, being financed entirely through revenue received from licenses and permits. The licenses and permits continued to show an increase over preceding years. The comparative records for the past four years are as follows.

LICENSES	
1950-51	750
1951-52	800
1952-53	1,075 *
1953-54	887

* The 1952-53 license figure reflects a 13-month period.

The number of permits issued and gross receipts derived from all sources during the same periods were:

	Signs	*Structures*	*Gross receipts*
1950-51	497	30,387	$61,676.72
1951-52	537	32,509	70,438.66
1952-53	578	33,541	85,018.96 *
1953-54	775	35,817	76,105.40

* The 1952-53 license figures reflect a 13-month period.

Permits

A normal increase was noted in the number of encroachment permits issued during the past fiscal year. Customary gains were recorded in the volume of transportation permits in most areas; however, the total for all districts showed only a small increase primarily due to a substantial reduction in permits issued for truck cranes now operating under blanket permits.

There was no change in the practice of handling both types of permits during this period, totals for which in comparison with the two preceding years were as follows:

	Number of permits		
	1951-52	*1952-53*	*1953-54*
Transportation permits	52,533	67,223	68,255
Encroachment permits	13,953	14,148	15,107
Totals	66,486	81,371	83,362

RELAMPING SIGN BRIDGE from platform truck

GUTTED "R-value" testing room after disastrous fire at Materials and Research Laboratory on March 2, 1954

TEMPORARY WAREHOUSE TYPE BUILDINGS occupied by displaced units of Materials and Research Laboratory following fire in March, 1954

MATERIALS AND RESEARCH

In conformance with the policy to decentralize routine testing, most of the control tests on soils and base materials are now being performed in the district laboratories. Research, special investigations, and specialized tests are steadily increasing in the Headquarters Laboratory with the volume of highway work. In addition, new testing equipment and methods have been developed in an effort to find better ways of using highway materials. Materials accepted for use during the past year on the basis of specialized testing and inspection provided by Materials and Research have a total value of approximately 30 million dollars.

A marked increase in the time required for training district personnel and official representatives from other agencies and foreign countries has been noticed over the past year.

A substantial portion of the Headquarters Laboratory at 3435 Serra Way was destroyed by a fire in the early morning hours of March 2, 1954. At the end of the 1953-54 fiscal year, the units destroyed by the March fire were either operating or about to go into full production in temporary quarters. Most of the displaced units were moved to the site at 59th Street and Folsom Boulevard in Sacramento that was acquired several years ago for a new laboratory building. One unit was moved to a rented building at 34th and Broadway. This scattering of facilities is inconvenient; however, plans are being prepared for a centralized building to house all units.

Foundation Section

The work of the Foundation Section has included foundation investigations for proposed construction and for treatment or correction of slides and slipouts; studies relating to pore pressure, settlement, compaction, aggregates; geologic investigations; and the installation of horizontal drains for the correction or prevention of slides and slipouts.

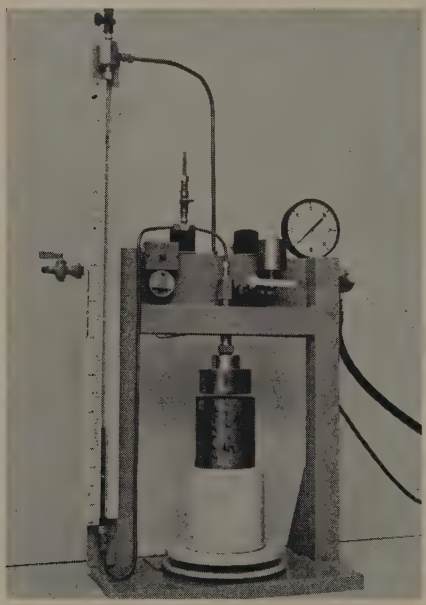
In connection with foundation explorations, 221 borings, totaling 8,953 lineal feet were made. A triaxial compression machine was secured for use in the testing and analyses of foundation conditions. Special foundation studies have included settlement and pore pressure observations on an experimental fill at Candlestick Cove near San Francisco, a sand drain installation in peat near Antioch, and a sand drain installation in the bay mud near Redwood City. Geo-engineering studies were made to supplement exploration data or as independent studies on some foundation and aggregate problems.

Studies were continued on the performance of various types of compaction equipment and the settlement of large fills.

Approximately 12,000 lineal feet of horizontal drains were installed during the year. A new and improved horizontal boring machine (designed in cooperation with the Equipment Department and built by them) was put in operation.

During the year, 4,032 samples of soil and aggregate were received and processed. Considerable time was spent checking various methods used to obtain the percentage of material passing the 200-mesh sieve

HORIZONTAL AUGER TYPE earth-drilling machine built in headquarters shop



"RESILIOMETER" developed by Materials and Research Department for study of resiliency of soils and its effect on highway performance

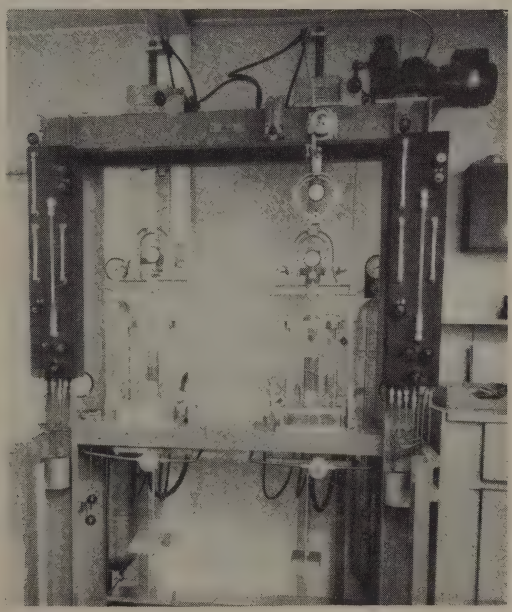
as proposed by other agencies. The section worked on the development of the new mechanical wash analysis test, and the "Sedimentation Test," which is closely related to the sand equivalent test but is performed on coarse aggregates to indicate deleterious coatings.

Pavement Section

More than half of the testing space of the Pavement Section was destroyed by the March fire. In spite of this major interruption, the section performed 61,771 individual tests on 10,293 samples of basement soils, subbases, bases (treated and untreated) and bituminous mixtures and asphaltic products. Representatives of the section also performed the necessary inspection work in connection with the shipment of approximately 190,000 tons of asphalts and road oils.

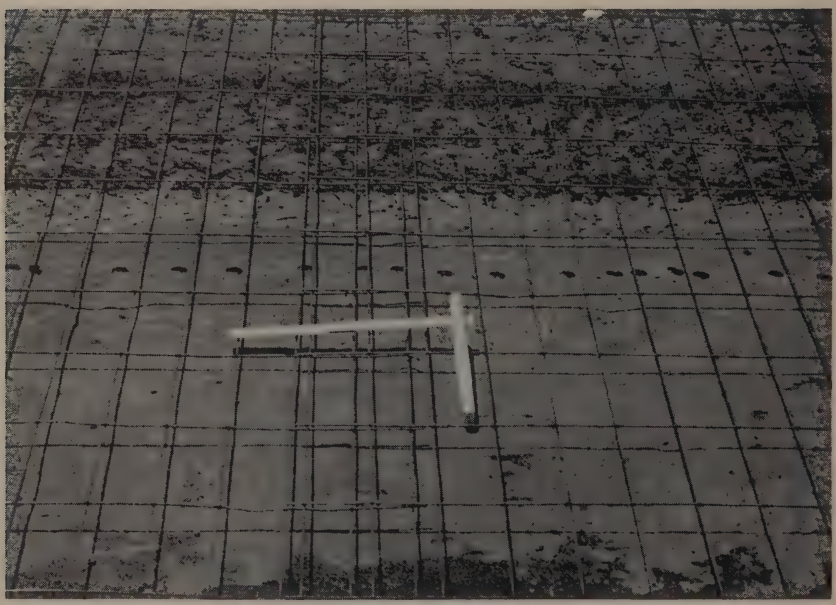
New and continued research and investigational projects were carried on both in the laboratory and in the field. Some of the more important are the following:

1. A small portable device for measuring skid resistance of pavements and of small laboratory surface panels.
2. Factors affecting the durability of seal coats and uniformity of spread of bituminous materials.
3. Methods of determining the resiliency of soils.
4. Establishment of deflection measurement points at several locations throughout the State for the purpose of measuring pavement deflections under traffic loads.



TRIAXIAL SHEAR TESTING DEVICE recently obtained by Materials and Research for soil studies

EXPANDED metal



Welded wire fabric

TYPICAL EXAMPLES OF TYPES of wire mesh installed experimentally on state highway surfacing project in Yolo County

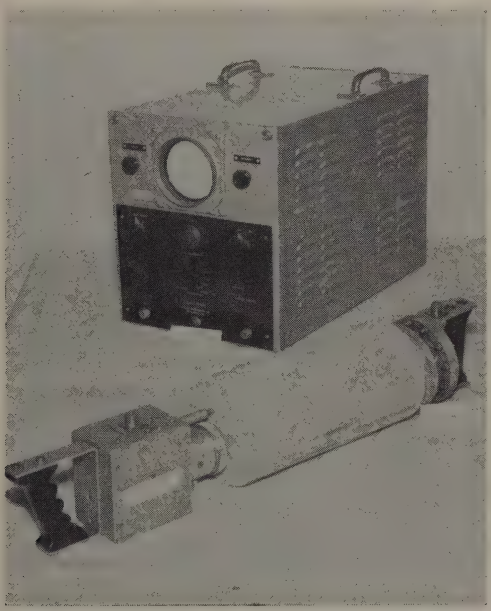
5. Placement of an experimental section of bituminous pavement in which various sizes of welded wire mesh and expanded metal reinforcing were laid over the existing cracks and joints of an old portland cement concrete pavement.
6. Development and promulgation of new improved specifications for paving asphalts.

Technical Section

The Technical Section, comprising the chemical, cement and concrete units of Materials and Research, performed over 38,000 individual routine tests during the year. In addition, each unit engaged in research and development work.

In the chemical unit, traffic paint research has been continued with special emphasis on the development of a marker for night delineation of traffic lanes during wet weather. Development of improved protective coatings for steel and masonry has been a continuous function of the unit. A few improvements in analytical methods for control work have been evolved during the year.

The concrete unit conducted field investigations of the performance of pavements and assisted in the field investigation of the deflection of pavements when subjected to controlled wheel loads. An instrument known as the Soniscope was used in a nondestructive method of evaluating the condition of concrete and timber structures in service. Assistance and advice were given to field engineers in the design and control of concrete mixtures.



"SONISCOPE" used for measurement of pulse velocity in concrete and other materials. Transducers shown in place at ends of concrete cylinders.

MONTGOMERY FREEWAY looking north from H Street Overcrossing in Chula Vista, San Diego County. A federal aid project.

SANTA ANA FREEWAY near Washington Boulevard in Los Angeles County. A federal aid project.

The cement unit was actively engaged in investigating the factors influencing volume change of hardened concrete and developed special tests to measure its permeability to air and vapor. Several series of tests were made in cooperation with other agencies. Dampproofing compounds for concrete and materials for stopping leakage in concrete walls were investigated. Studies were made of the factors leading to corrosion of steel reinforcement in concrete exposed to sea water.

Structural Materials Section

Despite the fire of March 2d, which necessitated an emergency relocation of its laboratory and shop facilities (with considerable improvisation), the Structural Materials Section continued to function throughout the fiscal year. In addition to a large volume of routine testing and inspection conducted at the Los Angeles and Berkeley branches, the section carried on an expanded program of research and development. One of the projects undertaken was the development of a test for the endurance limit, under combined tension and flexure stresses, of a low alloy structural steel for the Richmond-San Rafael Bay Crossing. Because no commercial equipment for this test was immediately available, the Structural Materials Section had to design and build the testing machine.

Other projects initiated during the fiscal year included work on the development of a traveling deflectometer, studies designed to improve welding control, and an extensive barrier curb testing program initiated by the Bridge Department. In the barrier curb testing program, 149 tests utilizing impact with a standard sedan driven at various speeds under controlled conditions were carried out to compare 11 different types of curbing.

Special studies were carried out on various commodities including reflective sheeting, plumb bob cord, carbon paper, and drafting pencils, and specifications were written for several. A darkroom tunnel was constructed and used extensively to measure the efficiency of reflected light return of reflector buttons and reflective sheeting.

During the fiscal year the section tested, inspected, and released for use the following quantities of major construction materials: structural steel, 39,434,759 pounds; reinforcing steel, 59,466,198 pounds; pipe (concrete, clay, and cast iron) 234,406 linear feet; miscellaneous iron and steel, 2,916,101 pounds; guard and hand rail, 200,711 linear feet; untreated timber, 42,260 thousand board feet; corrugated metal pipe, 457,056 linear feet; treated timber, 200,000 thousand board feet; treated timber piling, 20,000 linear feet.

ENTRANCE TO NEW SHOP VII office in North Hollywood

NEW REPAIR BUILDING Shop VIII in San Bernardino

EQUIPMENT

The primary functions of the Equipment Department, consisting of the procurement, maintenance and administration of rental equipment owned by the Division of Highways, have continued in a nearly normal manner in the past year. Subnormal snow conditions during the past two winters have resulted in reducing the work load in repairing the equipment used in snow-removal operations.

Considerable progress is being made in improving the department's plant facilities. Continued effort has been directed toward increasing the work efficiency of both personnel and tools. These activities have resulted in important refinements and improvements in the services performed.

Plant

Since the last report, new equipment repair shops and offices have been completed and occupied in District VII at North Hollywood and in District VIII at San Bernardino. These new facilities will materially increase the working efficiency and improve working conditions in the areas served.

A contract was recently awarded for the construction of a repair shop building and office at Shop 10 in Stockton. The improvements, when completed, will facilitate the work to be performed there. Previously, only limited, inadequate space has been available for both repair and clerical functions. Major repairs to heavy equipment of Shop 10 will continue to be made at Headquarters Shop in Sacramento.

Early in the morning of March 2, 1954, fire of unknown origin destroyed two large buildings at Headquarters Shop in Sacramento. These two buildings were jointly occupied by the Equipment Department and the Materials and Research Laboratory at the time of the fire. The resultant loss of equipment and some 17,500 square feet of working space was critical. A new building is now being planned for erection on part of the area formerly occupied by these buildings. It is planned to use the new building, upon erection, for the repair and servicing of automobiles. When this move is completed, it is proposed to revise the present automobile repair building for housing equipment stores. This move will centralize this activity and provide more efficient handling of repair parts and other stock.

Equipment Rentals

Due to rising costs and curtailed use of some equipment during the past two seasons, the rentals received for equipment use have failed to keep pace with the expenses. Because of this condition, new rental rates were placed in effect July 1, 1954, on those units which showed a loss. While no general increase was necessary, such revisions upward as were made were the result of the continuing study of use, repair costs, and depreciation on individual items. All equipment has been placed on a monthly rental basis in order to eliminate certain clerical procedures, to reduce record-keeping and to provide for uniformity.

New Job Order System

On January 1, 1954, the department placed in effect a new statewide job order system. Previous to this time each of the 12 shops had an individual job order system and there was no way of comparing costs of overhead expenses between the various shops. Under such a system there was no method of insuring that charges were being applied to the proper expense accounts. Following extensive study, the new job order system was designed to provide for a uniform method. The new system makes it possible to prepare a comparative analysis of expenditures between the various shops, which will allow administrative control over these expenditures and it also simplifies the work of auditing and reduces the work when employees move from shop to shop.

Operations

The following financial summary covering the general operations of the Equipment Department for the 12 months ending June 30, 1954, as compared with a similar period ending June 30, 1953, indicates a growth consistent with that of the division:

	June 30, 1953	*June 30, 1954*
Equipment repairs	$3,123,654.53	$3,047,668.12
Miscellaneous expenses	315,703.93	406,204.02
Administrative expenses	611,643.59	638,841.04
Depreciation reserve	1,453,928.71	1,639,179.38
Total expense	$5,504,930.76	$5,731,892.56
Total income	$5,282,509.33	$5,421,734.81

1952-53 Excess of expense over income	$222,421.43
1953-54 Excess of expense over income	$310,157.75

IMPROVED HORIZONTAL BORING MACHINE for installation of drains, designed jointly by Materials and Research and Equipment Departments

Current inventory values of equipment are as follows:

TRUCKS AND PASSENGER VEHICLES	
All trucks, ½-ton to 10-ton	$7,160,756.00
Busses, jeeps, station wagons	379,280.00
Passenger automobiles	2,196,000.00
Rotary snowplows	987,000.00
CONSTRUCTION EQUIPMENT	
Motor graders	$2,963,700.00
Shovels, power	426,100.00
Loaders	762,800.00
Tractors	856,850.00
Snowplows, push	369,950.00
Compressors	326,900.00
Miscellaneous other construction equipment: rollers, mixers, trailers, pumps, drills, mowers, etc.	2,314,013.34
Total	$18,743,349.34

Areas of district shops, together with personnel and equipment data, appear below:

Shop	*Location*	*Personnel*	*Floor space (square feet)*	*Inventory value rental equipment*
Hdq.	Sacramento	144	57,677	$1,577,555.61
1	Eureka	40	24,567	1,609,841.51
2	Redding	61	36,510	2,438,741.06
* 3	Yuba City	14	None	1,655,799.22
4	Oakland	54	33,128	1,740,698.41
5	San Luis Obispo	33	12,737	1,063,877.51
6	Fresno	39	16,620	1,486,569.36
7	North Hollywood	88	44,114	2,480,916.31
8	San Bernardino	45	30,084	1,442,427.87
9	Bishop	23	15,776	770,537.99
* 10	Stockton	15	None	1,314,459.22
11	San Diego	29	18,045	867,853.25
	San Francisco-Oakland Bay Bridge, Oakland	8	4,618	294,072.02
	Total inventory			$18,743,349.34

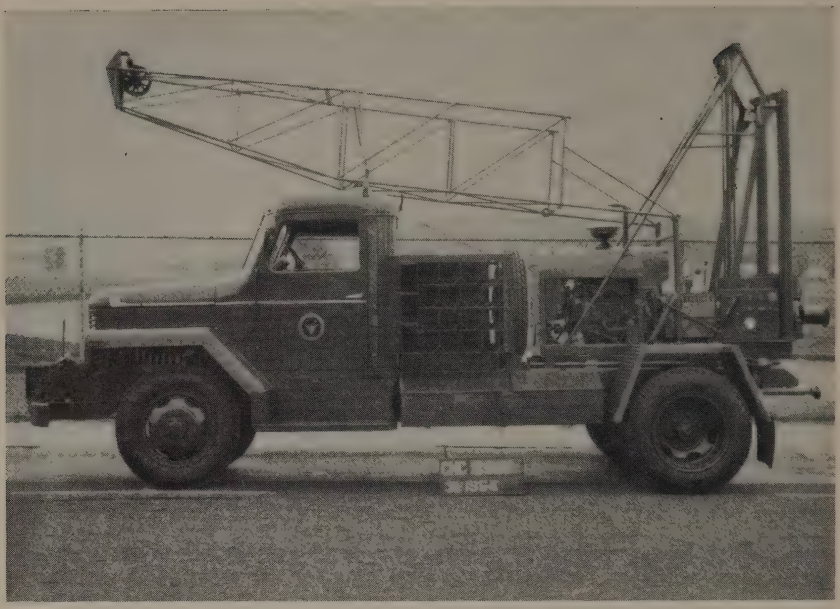
* Equipment repairs made at Headquarters Shop.

Training Program

The Equipment Department's on-job training program completed a full year of activity in August, 1954. The program is continuing to provide training for as many employees of the Equipment and Maintenance Departments as practical. Cooperative response has been received in every location where the training has been given.

The value of the program is evidenced by its adoption, on similar lines, by other governmental agencies. One county has already started its training program using the same training courses and another state agency is planning a similar program, adapted to its own use, for next year. Continued interest is shown by inquiries received from several other sources.

"Lubrication" is the subject of the training course being given at the present time. It is planned to include other practical subjects which will benefit the employees concerned when the present course is completed.



EARTH-DRILLING UNIT used in preliminary investigation of highway foundations

Instruction of the courses in "General Lubrication" and "Special Lubrication" has been completed in Districts VII, VIII, IX, XI and for the greater part of District VI. The classes are now commencing in District V; these will be followed by instruction in District IV and then a continuation of the classes in the northern part of the State.

To date, the classroom trailer has been moved a total of 2,276 miles for instruction purposes. A total of 887 men have completed one of the two courses offered and 918 men have attended one or more lectures.

It is the intention to continue this program on a state-wide basis, bringing the trailer to each district and establishing the classes in various maintenance stations and equipment shops, where employee gatherings may be easily arranged. It is estimated that there are some 1,800 employees who will benefit by attending the courses.

It is anticipated that the results of this on-job training will be reflected in a reduction of repair costs and in an increased efficiency and output on the part of the operating forces because of better understanding of equipment capacities and preventive maintenance.

Manuals and Charts on Lubrication

Manuals and charts on servicing and lubrication of all types of equipment used by the Division of Highways are now being compiled. The assembly of this data is a major undertaking but the information contained in the manuals and charts should be of considerable assistance to the men responsible for the care and use of equipment. It should result in appreciably lower repair costs and fewer breakdowns.

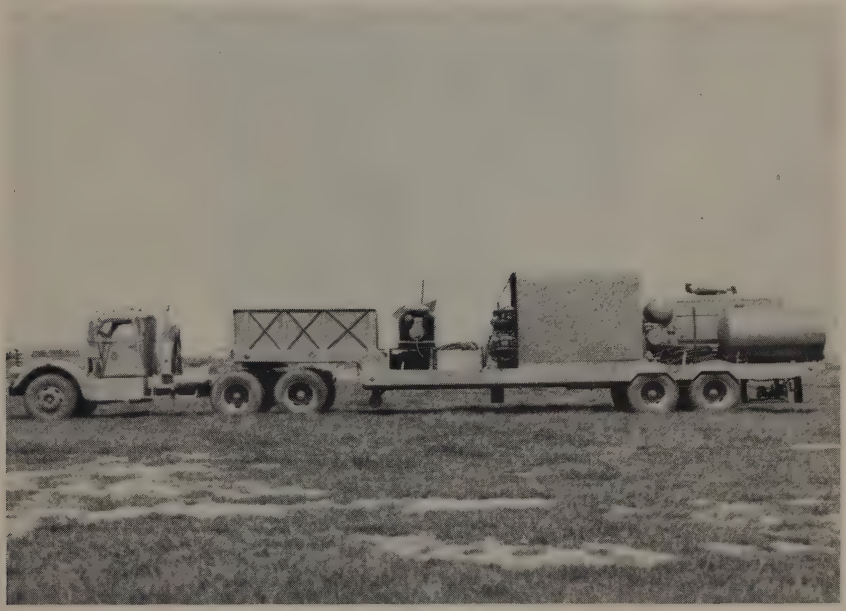
Equipment Development

Recently a new and more powerful boring machine was designed and built by Headquarters Shop for assignment to the Materials and Research Department. This machine will replace the hydraugers used for installing horizontal drains. These old hydraugers were operated by inefficient air motors. Pressure to the drill rods and for inserting perforated tubing in the bore was applied manually through a rack and pinion.

The new machine has a four-cylinder, air-cooled engine, with a fluid coupling, standard four-speed truck transmission and transfer case, driving special chucks for the drill rods and tubing. Water under high pressure is fed through the drill rod using a water swivel. Hydraulic rams feed the drill rod and tubing into the bore. The machinery is mounted on a double channel frame and rubber tired wheels.

Salvage

With the acquisition of the San Mateo-Hayward and Dumbarton Toll Bridges, the Division of Highways also acquired a number of obsolete units of automotive and construction equipment. One such group of units was that used on the "gunite" concrete placement process in rebuilding eroded pier and other surfaces, in which the work is first cleaned by sandblasting and then built up by a portland cement-sand-water mixture sprayed by air pressure onto the surface being repaired. Since the work is of a continuing nature and common to both bridges, it was essential that the replacement equipment be compact, mobile, maneuverable and capable of moving at peninsular traffic speeds.



SANDBLASTING AND PNEUMATIC concrete-placing equipment used in the repair and maintenance of the San Mateo-Hayward and Dumbarton Bridges across San Francisco Bay

HIGHWAY CONSTRUCTION EQUIPMENT lubricating and service truck

FREEWAY LIGHTING AND TRAFFIC SIGNAL maintenance truck

The type of unit most nearly complying with these requirements was a truck-tractor semitrailer combination. The original group of units, consisting of two cargo trucks, one dump truck, two pneumatic-tired portable air compressors, two sandblast generators, one concrete mixer, and one cement gun with water tank and reciprocating pump, was unwieldy, difficult to maneuver and occupied an unnecessary long space on the bridge deck. The three trucks were therefore retired or diverted to other use, and the remaining units of the original group were mounted on a semitrailer. The older of the two portable air compressors was retired and replaced by the latest type nonportable, lightweight rotary air compressor, which was mounted on the trailer. The other compressor, a 600-cfm. portable, is handled separately. It is interesting to note that, because of the direction of the prevailing wind, and because the trailer is driven onto the bridge in the same direction at the beginning of each shift, it was necessary to locate the air compressor at the extreme rear end of the trailer deck, in order that the compressor air supply be uncontaminated by sand from the cement mixing and sandblasting operations.

The trailer as now equipped, together with the 600-cfm. portable compressor, is a complete unit furnishing over 900 cubic feet of compressed air per minute, and carries an ample supply of sand, water and cement for eight hours' operation. One man on the deck of the trailer handles the complete operation of feeding both the cement gun and the sandblast generators.

Necessary changes in trailer design, the mounting of the air compressor, and the design and construction of the sand bunker were handled by the Headquarters Shop at Sacramento. Installation of the reciprocating pump, the water tank, canopy, cement gun, and sandblast generators were done at the San Francisco-Oakland Bay Bridge shops.

Disposal of Equipment

Prices being paid for obsolete equipment or equipment worn beyond economical repair are averaging less than the "leveling off" prices received during 1952-53.

During the fiscal year July 1, 1952, to June 30, 1953, equipment requiring an original expenditure of $1,238,861.84 has been sold for $188,148.08 or 15 percent of its original cost.

FREEWAY BETWEEN AUBURN AND APPLEGATE near Christian Valley, US 40.
A federal aid project.

OCEANSIDE FREEWAY looking north showing Las Encinas Overcrossing and Farr Overhead.
A federal aid project.

OPERATIONS ADMINISTRATIVE FUNCTIONS

Service Agreements

Service agreement procedure continued to provide for such services as items of maintenance and repair of state-owned facilities, public utility services, repairs to rental properties, office equipment, equipment rentals, rental of maintenance and construction employee quarters, contracts with other state agencies and employment of expert witnesses and appraisers. During the past fiscal year, over 4,600 agreements were reviewed and approved in an amount of over $3,800,000. Of the above agreements, 410 involved equipment rental for maintenance operations and totaled $740,000.

Right-of-way Clearance Contracts

These contracts were used in clearing rights of way in advance of construction, even though a large number of buildings were sold. Twenty-eight projects for altering buildings, moving them, moving irrigation systems, fences, and drilling wells were under way during the year at a cost of $452,000. Of these, 11 were incomplete at the end of the fiscal year. The work of demolishing buildings continued active during the year, with 74 jobs completed and 17 still going as of June 30, 1954. A total of $117,452 was involved in such removals. As usual in this type of work, when it is reasonable to expect a financial credit value for salvaged materials, bids are taken on an alternate basis, giving the contractor the opportunity to accept payment or pay the State for the removal operations. In four cases the contractor accepted the latter alternative, and a total of $531 was received.

Contractors' Claims

During the fiscal year the Board of Review considered the claims of five contractors. Recommendations were made to the State Highway Engineer on three claims which were accepted in part; two claims are still being studied. As in past years, the number of claims is remarkably small in relation to the large volume of contracts. This is no doubt due to the better understanding of the specifications by both the state employees and the contractors. In many instances, the Board of Review was able to arrange settlement of claims without the trouble and expense of formal hearings or legal actions.

Prevailing Wages

Prevailing wage information was furnished by this section for all contracts advertised for bids, for equipment rentals and right of way clearance contracts. As a result of recent legislation all wage determinations are filed with the Director of Department of Industrial Relations, once each quarter. No delays have been encountered and we have had the friendliest of cooperation and consideration of the wage determinations.

RAMONA FREEWAY in vicinity of Garfield Avenue. Downtown Los Angeles in distance. A federal aid project.

TULARE BYPASS looking south. Tagus Overcrossing in right foreground. A federal aid project.

Minor Contracts

Furthering the long standing policy of letting all work possible to contract a new approach to the procedure was made during the past fiscal year. Every request for allotment for proposed work has been reviewed by Operations and decision made as to whether the work would be done by contract or day labor. During the past years, some work was accomplished by means of rental of equipment and purchase of materials delivered to the job site. Our latest development is in reality a combination of the above two items along with labor being performed under one contract.

In the event the estimate of costs exceeds $2,000 and is less than $15,000 and the contract method is employed, the project is handled as a district advertisement. When the work is estimated to cost less than $2,000, the work is not subject to the provisions of the State Contract Act. In such instances, the districts have been requested to take bids following the procedure of posting notice to bidders for five days as is done in connection with the rental of equipment. The adopted procedure in most cases has expedited the completion of the work.

The efforts of district forces in effecting the change from day labor work to contract on small projects have produced amazing short cuts in specification preparation and a minimum of plans without detracting from the quality of the finished work.

BAYSHORE FREEWAY, 13th Street Viaduct and Bay Bridge connection in use and under construction. A federal aid project.

ADMINISTRATION

Executive control over the following phases of Division of Highways work is exercised by the Assistant State Highway Engineer, Administration: the Office Engineer's functions; county and county cooperative projects; city and city cooperative projects; and service and supply functions.

OFFICE ENGINEER'S FUNCTIONS

As in most engineering organizations the post of Office Engineer of the Division of Highways involves supervision of a variety of detailed administrative operations. These functions include the administration of federal-aid apportionments for state highway improvement on the federal-aid primary, urban and interstate highway systems and those portions of federal-aid secondary highway apportionments expended on the State Highway System. Recommendations of bid ratings assigned to contractors seeking prequalification for bidding on state highway construction are made jointly by the Office Engineer, the Construction Department and the Comptroller. Preparation of contract specifications and their final correlation with contract plans and estimates are under the Office Engineer's direction. The Office Engineer also supervised preparation and publication of the Standard Specifications governing standards and practice on all state highway construction. The new edition of the Standard Specifications are dated August, 1954, and replaces the January, 1949, edition and will become effective for all construction projects advertised November 1, 1954 and later. Other functions under his supervision include; advertising and opening of bids, together with the processing of contracts, fund allotments, and progress and final pay estimates on contracts; control of administrative accounts; engineering budget control and preparation of financial votes for action by the Highway Commission; preparation of route adoption and freeway declaration votes, engineering review and preparation of condemnation resolutions, abandonment and relinquishment votes, all for commission action. The Office Engineer also supervises compilation and analysis of construction cost data; statistical information relative to progress of state highway construction programs; preparation and publication of departmental photogrammetric contracts; and keeping of the department's general files.

Prequalification of Contractors

California statutes require that all contractors wishing to bid on state highway projects, the estimated cost of which exceeds $15,000, shall be prequalified by the department on the basis of their financial condition and experience and shall be given a maximum rating which limits their bidding capacity for each of the several types of construction.

NEW CONNECTION between US 40 and US 99W west of Davis in Yolo County

During the fiscal year the total number of contractors prequalified to bid on the various types of state highway construction increased from 691 on July 1, 1953, to 780 on June 30, 1954. The combined bidding capacity of these 780 prequalified contractors is estimated to be $1,472,000,000. This is $127,000,000 more than the combined bidding capacity of the 691 contractors who were prequalified a year ago. In determination of the total bidding capacity a maximum of $20,000,000 for individual ratings is used, that is, ratings in excess of that amount are entered at the $20,000,000 figure.

The following tabulation gives the number of contractors prequalified by the Division of Highways on June 30, 1954, arranged by several brackets of bid ratings.

Rating	*No. of contractors*
$10,000,000 and over	41
5,000,000 to $10,000,000	72
2,500,000 to 5,000,000	126
1,500,000 to 2,500,000	194
1,000,000 to 1,500,000	236
500,000 to 1,000,000	355
250,000 to 500,000	498
100,000 to 250,000	639
50,000 to 100,000	747
Up to 50,000	780

The Division of Highways opened bids on 601 road and bridge projects during the year. This total compares to the 415 projects for which bids were opened during the preceding fiscal year. Contracts were awarded on 575 of the 601 projects for which bids were opened and all bids were rejected on 26 projects. It will be noted that there is an apparent discrepancy between the 575 figure given here for contracts awarded and the 549 reported in the letter of the State Highway Engineer at the beginning of this report. This difference results from inclusion of 26 projects opened before June 30, 1954, but for which contracts were not awarded until after June 30, 1954.

Records on bid openings during the year indicate a rise in competition on highway work. The average number of bidders per project was 6.9 for the whole fiscal year. This is an increase of about 21.1 percent over the average of 5.7 for the preceding year.

Construction Cost Index

An important phase of the work of the Office Engineer's Section is compilation and evaluation of data relative to trends in highway construction costs. The California Highway Construction Cost Index, which has been computed and published quarterly since 1948, reflects the changes in these costs. In this index, highway construction costs for the year 1940 are used as a base with a value of 100. The index is computed quarterly from the average contract prices (weighted by quantity) of eight principal items of construction.

WEST SACRAMENTO FREEWAY showing Harbor Boulevard Interchange. A federal aid project.

There follows a tabulation of the California Highway Construction Cost Index by years and quarters since 1940.

THE CALIFORNIA HIGHWAY CONSTRUCTION COST INDEX

Year	*Cost Index*
1940	100.0
1941	125.0
1942	157.5
1943	156.4
1944	177.8
1945	179.5
1946	179.7
1947	203.3
1948	216.6
1949	190.7
1950 (1st quarter)	160.6
1950 (2d quarter)	180.0
1950 (3d quarter)	189.2
1950 (4th quarter)	194.8
1951 (1st quarter)	215.4
1951 (2d quarter)	238.3
1951 (3d quarter)	221.9
1951 (4th quarter)	245.4
1952 (1st quarter)	224.8
1952 (2d quarter)	224.4
1952 (3d quarter)	221.2
1952 (4th quarter)	226.2
1953 (1st quarter)	218.3
1953 (2d quarter)	217.5
1953 (3d quarter)	218.0
1953 (4th quarter)	216.7
1954 (1st quarter)	199.4
1954 (2d quarter)	189.0
1954 (3d quarter)	207.8

During the calendar year of 1953 the index was practically stationary, ranging between limits of 218.3 to 216.7, indicating a marked stability of construction costs during that period. With the first quarter of 1954, however, there was a notable drop in contract prices which carried on through the second quarter when the index was down to 189.0. During the third quarter construction costs began another rise climbing back to 207.8. It is thought that the decline was largely the result of keen competition among bidders and occurred in spite of continuing increases in labor costs resulting from wage boosts and extended fringe benefits. It would seem apparent that with the upturn of bid prices on California highway construction, as indicated by the 9.9 percent rise in the index during the third quarter of 1954, the balance of factors which affect bid prices has swung from control by competition to control by increased payments to labor.

AVERAGE CONTRACT PRICES

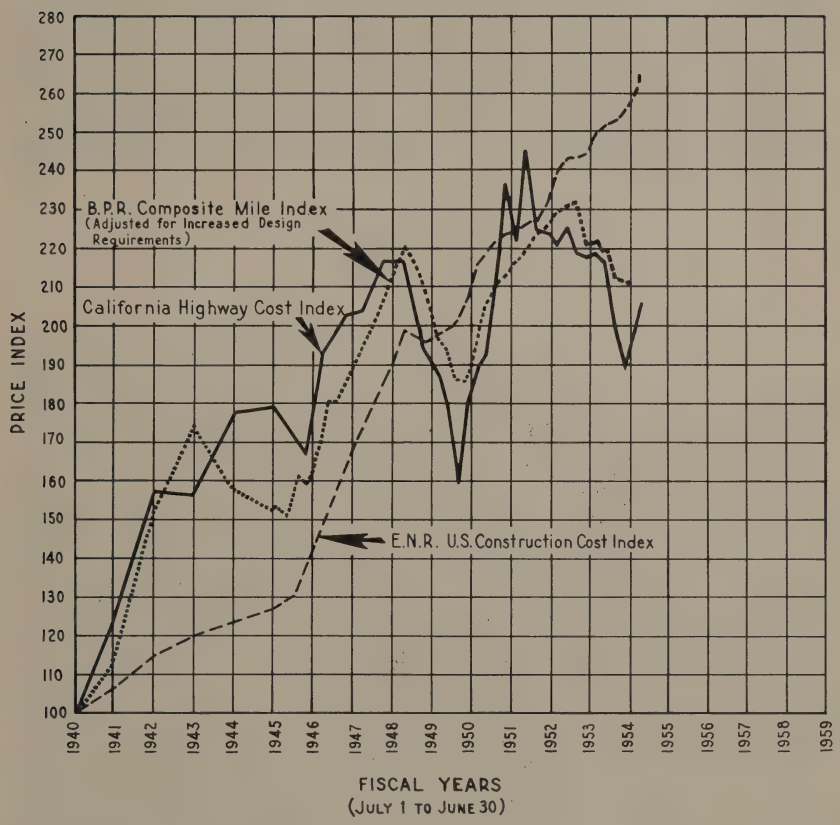
	Roadway excavation	Crusher run base	Plant mix surfacing	Asphalt concrete payement	PCC pavement	PCC structures	Bar reinforcing steel	Structural steel
	Per cu. yd.	Per ton	Per ton	Per ton	Per cu. yd.	Per cu. yd.	Per lb.	Per lb.
1940	$0.22	$1.54	$2.19	$2.97	$ 7.68	$18.33	$0.040	$0.083
1941	0.26	2.31	2.84	3.18	7.54	23.31	0.053	0.107
1942	0.35	2.81	4.02	4.16	9.62	29.48	0.073	0.103
1943	0.42	2.26	3.71	4.76	11.48	31.76	0.059	0.080
1944	0.50	2.45	4.10	4.50	10.46	31.99	0.054	0.132
1945	0.51	2.42	4.20	4.88	10.90	37.20	0.059	0.102
1946	0.41	2.45	4.00	4.68	9.48	37.38	0.060	0.099
1947	0.46	2.42	4.32	5.38	12.38	48.44	0.080	0.138
1948	0.55	2.43	4.30	5.38	13.04	49.86	0.092	0.126
1949	0.49	2.67	4.67	4.64	12.28	48.67	0.096	0.117
1st Quarter 1950	0.34	2.22	3.65	3.74	------	40.15	0.077	0.081
2d Quarter 1950	0.40	2.13	4.48	3.74	10.86	43.03	0.080	0.105
3d Quarter 1950	0.41	2.32	4.25	5.50	10.91	44.34	0.093	0.131
4th Quarter 1950	0.42	2.81	4.64	4.61	12.55	43.18	0.098	0.120
1st Quarter 1951	0.45	3.07	4.06	5.22	11.71	46.38	0.103	0.206
2d Quarter 1951	0.63	3.88	4.56	4.63	12.93	51.50	0.105	0.166
3d Quarter 1951	0.56	2.88	4.59	3.90	12.41	46.14	0.107	0.165
4th Quarter 1951	0.66	2.91	5.66	4.89	12.71	49.38	0.105	0.169
1st Quarter 1952	0.56	3.25	4.88	4.77	14.25	47.46	0.094	0.152
2d Quarter 1952	0.53	3.19	5.29	4.13	14.20	49.12	0.091	0.143
3d Quarter 1952	0.55	2.61	5.49	4.60	12.80	48.21	0.094	0.132
4th Quarter 1952	0.66	2.68	4.97	------	12.53	48.45	0.094	0.128
1st Quarter 1953	0.45	2.48*	5.27	4.46	12.47	53.19	0.098	0.150
2d Quarter 1953	0.50	2.07	5.38	4.59	13.06	52.68	0.091	0.132
3d Quarter 1953	0.54	2.15	5.30	4.82	13.78	49.23	0.092	0.129
4th Quarter 1953	0.48	2.11	4.74	4.47	14.77	53.41	0.105	0.139
1st Quarter 1954	0.45	2.28	4.23	4.78	14.89	47.52	0.092	0.126
2d Quarter 1954	0.38	2.09	4.29	5.18	14.28	47.12	0.093	0.114
3d Quarter 1954	0.43	1.85	4.68	7.00	12.63	49.59	0.095	0.162

* Untreated rock base substituted for crusher run base at this point.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

PRICE INDEX CONSTRUCTION COSTS

1940 = 100



RAMONA FREEWAY at the Atlantic Boulevard Undercrossing and cloverleaf. Downtown Los Angeles toward left. A federal aid project.

EASTSHORE FREEWAY in Santa Clara County near Milpitas. Interchange with SSR 9 in center. A federal aid project.

While the index showed a relative stability of over-all highway construction costs during 1953 and a notable drop during the first six months of 1954, examination of the average contract prices for use in compiling the index, as shown in the accompanying tabulation, reveals considerable fluctuation within narrow limits for each of the eight items.

Comparison of the California Highway Construction Cost Index with the U. S. Bureau of Public Roads Composite Mile Index and the *Engineering News Record* Construction Cost Index on the accompanying chart shows the latter continuing its steady rise and the B.P.R. composite mile index more or less following the pattern of the California Index.

Progress in Highway Development

Progress in highway development in California increased markedly during the fiscal year between July 1, 1953, and June 30, 1954. However, while the center-line mileage of state highway construction placed under contract during the fiscal year was double that contracted in the 1952-53 Fiscal Year, it should be noted that the increase is largely the result of expansion of the policy of performing resurfacing and seal coat projects by contract.

The expansion of this policy resulted in the mileage of plant-mixed surfacing projects totaling 914.5 miles as compared to 387.3 miles in the previous year and bituminous surface treatment contracts totaling 90.6 miles as compared to 3.8 miles in the 1952-53 Fiscal Year.

During the seven years since passage of the Collier-Burns Highway Act in 1947, contracts covering a total of 4,815 center-line miles of state highway construction have been placed under way. Broken down to fiscal years, this center-line mileage is as follows:

1947-48	646 miles	1951-52	502 miles
1948-49	657 miles	1952-53	580 miles
1949-50	730 miles	1953-54	1,170 miles
1950-51	530 miles		

The above total figures cover work on the State Highway System only and do not include 1,199 miles of federal aid secondary construction on county roads nor work on state park roads.

Of the 4,815 miles of state highway construction during the last seven years, 859 miles were divided highways of four or more lanes including both freeway and expressway types. The portion of this 859 center-line miles of divided highway construction put under way in each of the seven years is shown in the following tabulation.

1947-48	106 miles	1951-52	99 miles
1948-49	107 miles	1952-53	92 miles
1949-50	151 miles	1953-54	189 miles
1950-51	115 miles		

Division of Highways records show that on June 30, 1953, there were 241 miles of the full freeway type of highway on the state system, that is divided highways with no cross traffic or left turns at grade.

JUNCTION OF ALTAMONT AND TRACY FREEWAYS. Looking toward Tracy in San Joaquin County.

The tabulation following gives the number of contracts with mileage by types which were put under way between July 1, 1953 and June 30, 1954.

The tabulation on page 80 shows the total mileage in the State Highway System on June 30, 1954, by type of surface both inside and outside of cities.

CONTRACTS AWARDED BETWEEN JULY 1, 1953, AND JUNE 30, 1954

STATE HIGHWAY SYSTEM

Number of contracts		*Center-line miles*
22	Portland cement concrete	73.00
6	Asphalt concrete	9.10
197	Plant-mix and road-mix surfacing	914.52
15	Bituminous surface treatment	90.63
6	Seal coat	41.90
11	Grading	40.50
77	Traffic signals and lights	
69	Bridges	
112	Miscellaneous	
515	Total	1,169.65

NOT ON STATE HIGHWAY SYSTEM

County Roads—Federal Aid Secondary

Number of contracts		*Center-line miles*
1	Asphalt concrete	1.10
28	Plant-mix and road-mix surfacing	112.60
4	Seal Coat	8.30
5	Grading	20.10
14	Bridges	
1	Miscellaneous	
53	Total	142.10

State Parks

2	Plant-mix and road-mix surfacing	12.00
2	Miscellaneous	
4	Total	12.00

For information relative to progress on freeway construction, the accompanying tabulations (pages 81 to 109 inclusive) show, contract by contract, the work accomplished on the principal metropolitan freeways since the Division of Highways has been building this modern type of high facility. In these tabulations the column headed "Construction Cost" includes only the actual construction and construction engineering charges; it does not include the cost of right-of-way acquisition or right-of-way clearance.

Photogrammetry

The use of aerial surveys (photogrammetry) for state highway planning and mapping was continued during the last fiscal year. However, during the year there was a four-month delay in letting new work to contract pending an opinion from the Attorney General as to the legal status of certain contractors engaged in the aerial surveys business.

NEW DIVIDED HIGHWAY ON US 101 near Thousand Oaks in Ventura County. A federal aid project.

During the year the department awarded a total of 40 photogrammetric contracts with a total value of $312,248. Eighteen of these were photography contracts with a value of $26,063 and 22 were contour projects valued at $286,183. The photography projects covered 239 linear miles and 2,200 square miles of area and the contour projects covered 425 linear miles.

Prices for contour maps dropped from an average of $1,135 per mile during the preceding year to $670 per mile for the 1953-54 Fiscal Year, or approximately 40 percent. This decrease was due to the development of competition in this field on the Pacific Coast and to stabilization of prices as photogrammetric contractors have become familiar with the work.

Aerial photographs are now used for practically all highway projects on new alignment during the planning and design stages and contour maps are used on about 50 percent of such projects.

BAYSHORE FREEWAY between Bryant Street and Army Street in San Francisco. A federal aid project.

MILEAGE BY TYPES OF STATE HIGHWAYS [1]

(Including Totals for Outside and Inside Cities)

June 30, 1954

TYPE	NORTH			SOUTH			TOTALS		
	Outside cities	Inside cities	Total	Outside cities	Inside cities	Total	Outside cities	Inside cities	Grand total
Portland cement concrete	680.134	108.145	788.279	699.526	253.407	952.933	1,379.660	361.552	1,741.212
Asphalt concrete	288.577	169.154	457.731	233.012	247.351	480.363	521.589	416.505	938.094
Bituminous macadam	316.019	25.420	341.439	179.558	46.050	225.608	495.577	71.470	567.047
Plant mix gravel	1,965.261	125.030	2,090.291	1,898.271	172.364	2,070.635	3,863.532	297.394	4,160.926
Road mix gravel	981.920	13.086	995.006	1,549.809	20.628	1,570.437	2,531.729	33.714	2,565.443
Oiled gravel	1,266.605	14.963	1,281.568	54.183	1.800	55.983	1,320.788	16.763	1,337.551
Gravel	14.675	0.132	14.807	----------	----------	----------	14.675	0.132	14.807
Oiled earth	1,003.999	3.999	1,007.998	1,035.529	5.057	1,040.586	2,039.528	9.056	2,048.584
Earth	186.115	----------	186.115	83.465	----------	83.465	269.580	----------	269.580
Bridges	69.285	14.767	84.052	31.027	9.358	40.385	100.312	24.125	124.437
Ferries[2]	1.067	0.580	1.647	----------	----------	----------	1.067	0.580	1.647
Unconstructed road	298.672	27.142	325.814	180.570	38.366	218.936	479.242	65.508	544.750
Totals	7,072.329	502.418	7,574.747	5,944.950	794.381	6,739.331	13,017.279	1,296.799	14,314.078
Totals—constructed road	6,773.657	475.276	7,248.933	5,764.380	756.015	6,520.395	12,538.037	1,231.291	13,769.328

[1] Center-line mileage which does not include nonadd mileage such as frontage roads, connections, etc.
[2] Water portion only.

EASTSHORE FREEWAY—NORTH

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
64TC16	Alameda	69	Emv	At Paraffine Co.'s Plant, under Bay Br. App.		3/ 3/34	9/12/34	UC	$28,337
84TC1	Alameda	5, 69	Oak, Emv	Over A.T. & S.F. R.R., S.P. Co. & Key System Tracks (Distr. Struct.)		4/24/35	8/21/36	Structure	1,276,800
64TC29	Alameda	69	Ber	At Folger Ave.		5/31/35	12/ 6/35	UC	137,247
84WC1	Alameda	69	Ber	Bet. Folger Ave. & Gilman St.	2.0	10/16/35	5/ 8/36	Dredger Fill	237,873
814PGWC1	Alameda	69	Alb	Near El Cerrito Hill		11/13/35	9/16/36	UC	268,281
84TC8	Alameda	69	Ber	Bet. Folger Ave. UP. & 9th St.	0.3	4/29/36	9/ 2/36	Gr. & Pave	35,426
84PWC2	Ala, C.C.	69	Ber, Alb, A, Rch, ECr	Bet. Camelia St. & San Pablo Ave.	3.1	6/16/36	8/ 2/37	Gr. & Surf.	275,928
84WC4	Alameda	69	Emv, Ber	Bet. Folger Ave. & Camelia St.		6/16/36	12/19/36	Gr. & Surf.	155,780
84T8	Alameda	69	Oak, Emv, Ber	Bet. Distr. Struct. & Folger Ave. UP.	1.7	8/17/36	12/ 3/36	Lights	22,096
84W1	Alameda	69	Emv, Ber	Bet. Folger Ave. Wye & University Ave.	1.7	8/17/36	12/ 3/36	Lights	19,294
84TC15	Alameda	5, 69	Oak, Emv, Ber	Bet. Distr. Struct. & University Ave.	3.3	4/22/38	12/ 2/38	Landscape	27,793
44TC4	Ala, C.C.	69	Emv, Ber, Rch	Bet. Powell St. & Panhandle Blvd.	1.3	1/ 6/42	10/21/42	Gr. & Pave	238,617
4AWC1	Alameda	69	Ber	In Vicinity of Gilman St.	0.5	8/22/44	3/ 2/45	Gr. & Pave	83,568
4W13	Alameda	69	Ber	In Vicinity of Gilman St.		8/23/44	6/ 5/45	Signals	8,901
4WC16	Alameda	69	Ber, Alb	Bet. University Ave. & El Cerrito Hill OH.	0.9	12/11/44	5/12/45	Pave	102,989
14TMC2	Alameda	5, 69	Oak	At Distribution Structure		8/11/48	5/ 9/49	Waterproof & Paint Br.	43,559
1-4TC90-P	Alameda	69	Alb	Across Cerrito Cr.		7/ 7/49	3/ 6/50	R.C. Culv. & Detours	48,459
4T141	Alameda	69	Emv, Ber	Bet. Powell St. & University Ave.		11/14/50	5/31/52	Widen (6 Turnouts)	9,000
52-4TC2	Alameda	69	Ber, Alb	Bet. Ashby Ave. & El Cerrito OH.	2.4	4/17/51	7/16/51	Gr. & P.M.S.	113,363
52-4TC37-F	Alameda	69	Oak, Emv	Bet. Distr. Struct. & Ashby Ave.	1.5	6/24/52	Underway	Gr., P.C.C., R.C. OC. & R.C. UC.	*2,766,619
54-4TC24	Ala, C.C.	69	Alb, Rch	At Cerrito Cr.	0.3	9/10/53	2/15/54	2 R.C. Boxes	70,928
54-4TC41-F	Alameda	69, 206	Emv, Ber, Alb; Emv, Ber	Bet. Ashby Ave. & El Cerrito OH.	3.0	11/ 6/53	Underway	Gr.-P.C.C. Pavt. on C.T.B., R.C. Sep. Structs. at Rte. 206, 69 S., Rte. 206, 69 N, & Bay St.	*4,387,474
54-14TC40-F	Alameda	5, 69	Oak	At the S.F.O.B.B. Br. Distribution Structure in City of Oakland		3/ 5/54	Underway	Structure Additions & Misc. Rd. Work.	*4,194,461
								Total to 6/30/54	$14,552,790

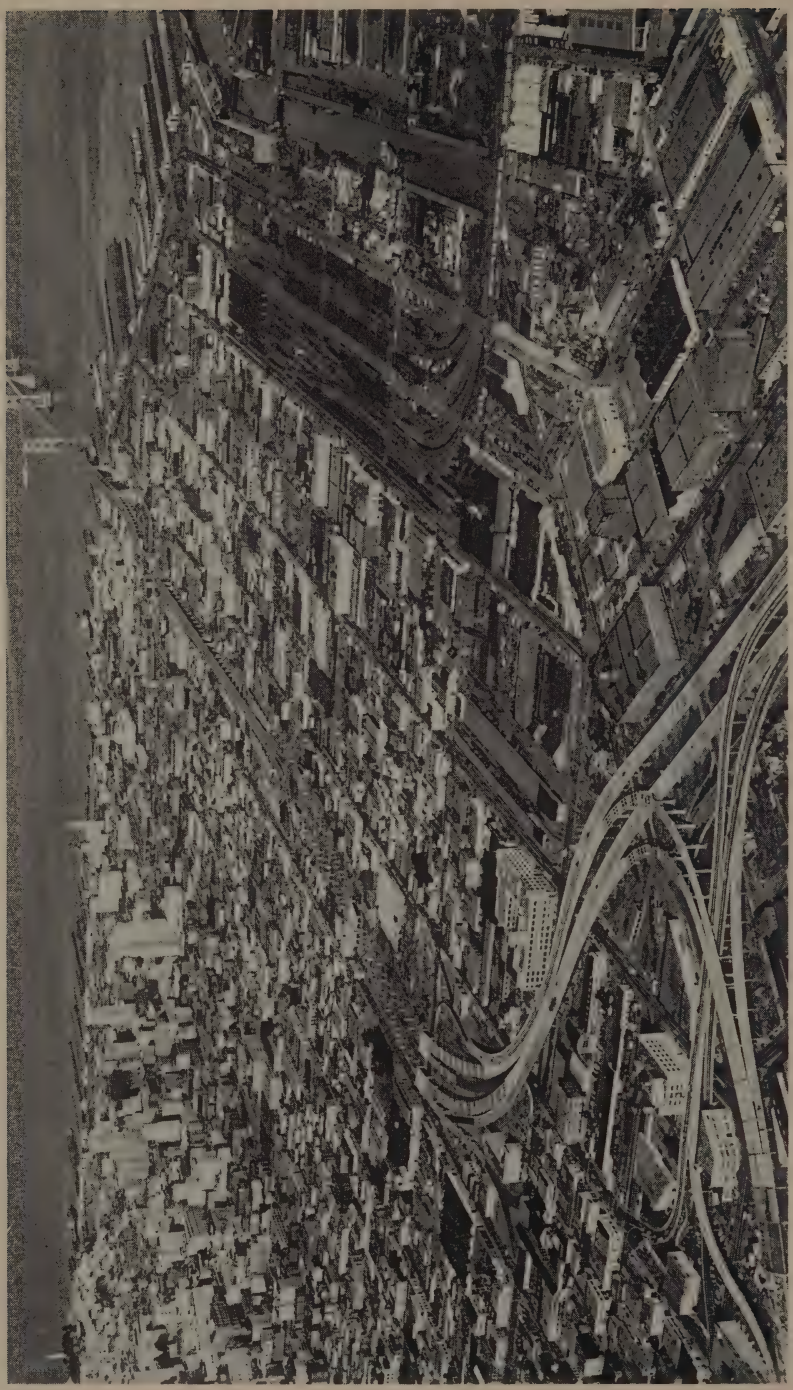
NOTE: * opposite a contract indicates final cost figures not yet available.

EASTSHORE FREEWAY showing portion for future extension between Jackson Street and Broadway in Oakland

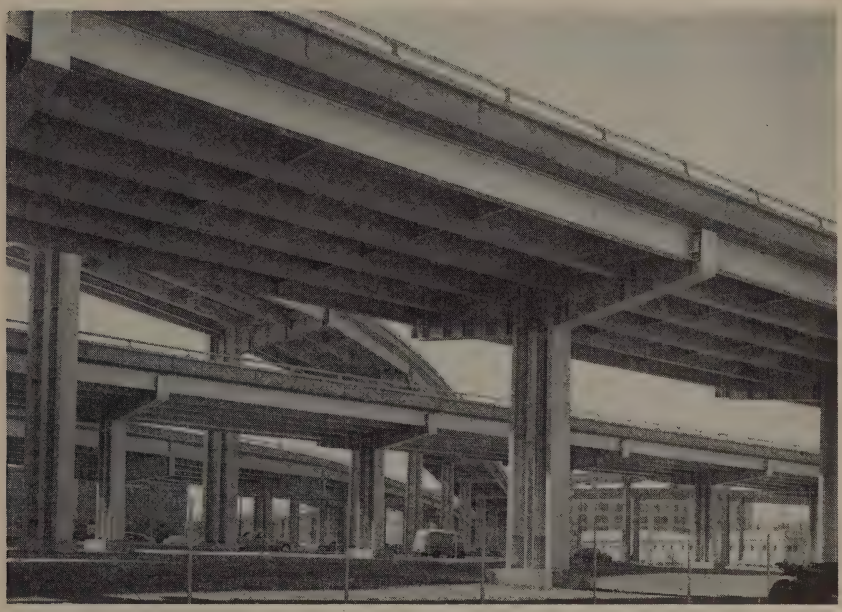
EASTSHORE FREEWAY—SOUTH

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
14WC8	Alameda	69	Oak	At Fifth Ave. OH.		6/21/46	3/31/48	Stl. & Conc. OC.	$1,953,200
14WC9	Alameda	69	Oak	At Fruitvale Ave.		12/ 9/46	12/15/47	Substruct. of Stl. & Conc. OC.	435,477
14WC10-F	Alameda	69	Oak	At 23d Ave.		6/16/47	12/ 2/48	Stl. & Conc. OC.	498,648
4WC31-F	Alameda	69	Oak	Bet. 1 Mi. N. of S.C.L. of Oakland & 0.3 Mi. S. of High St.	2.3	6/25/47	4/20/48	Gr.	1,051,544
14WC11-F	Alameda	69	Oak	At 29th Ave.		6/27/47	6/17/48	Stl. & Conc. OC.	169,111
14WC12-F	Alameda	69	Oak	At Fruitvale Ave.		8/13/47	12/16/48	Superstruct. for Stl. OC.	653,550
14TC31-F	Alameda	69	Oak	At 19th Ave.		10/22/47	2/21/49	Stl. & Conc. OC. & Apps.	434,399
4T102	Alameda	69	Oak	At 14th & 23d Aves.		3/17/48	Completed	Storm Drains	45,500
0-4TC48-F	Alameda	69	Oak	Bet. 38th Ave. & Oak St.	2.9	4/ 1/48	8/11/49	Gr. & P.C.C. on C.R.B.	1,640,051
0-14TC37-F	Alameda	69	Oak	Across Elmhurst Cr., Damon Sl. & East Cr. Slough		4/ 1/48	1/ 3/49	3 R.C. Brs.	256,796
0-14TC53-F	Alameda	69	Oak	Bet. 50th Ave. & 38th Ave.	0.7	8/ 3/48	3/30/51	Gr., Pave, 4 Stl. & 1 R.C. Br.	1,897,081
4T115	Alameda	69	Oak	Bet. Sta. 205+24 & 358+50		3/18/49	Completed	Signs	8,494
1-14TC64-F	Alameda	69	Oak	At High St.		4/ 1/49	5/18/50	Stl. OH.	749,730
0-4TC83-F	Alameda	69	Oak	Bet. S.C.L. & High St.	3.3	5/20/49	6/ 7/50	Gr., P.C.C. & Stl. Structures	1,495,533
4T116	Alameda	69, 105	Oak	Intrs. of 5th & Oak Sts., 6th & Oak Sts., & 7th & Madison Sts.		6/24/49	Completed	Signals & Lights	13,680
1-14TC84-F	Alameda	69	SLn, Oak	Across San Leandro Cr. & S.P. RR. Tracks at S.C.L. of Oakland		1/10/50	4/16/51	Stl. Br. & OH.	708,860
4T126	Alameda	69	Oak	Bet. S.C.L. & High St.	3.3	1/12/50	Completed	Signs, Stripes & Markings	5,858
4T127	Alameda	69	Oak	At 42d Ave. Interchange & High St. OH.		3/ 2/50	Completed	Signs, Stripes & Markings	13,664
51-4TC17-F	Alameda	69	C, SLn, Oak	Bet. Lewelling Blvd. & 0.1 Mi. N. of S.C.L. of Oakland	4.2	10/26/50	7/ 2/52	Gr., P.C.C. on C.T.B., P.M.S. & 6 Stl. Seps.	3,171,363
51-4TC21	Alameda	69	Oak	Bet. 38th Ave. & Fallon St.	2.8	11/ 8/50	9/13/51	Roadside Development	108,719
52-4TC19-F	Alameda	69	D, Hay, C	Bet. Jackson St. & Lewelling Blvd.	3.9	10/25/51	7/27/53	Gr., P.C.C. & P.M.S., & R.C. UC., 3 R.C. OC's., R.C. Ped. UC., Stl. Br. & Off-Ramp Br., & 2 Stl. UC's.	2,896,720
52-4TC22	Santa Clara	69	A	Bet. 0.9 Mi. N. of Rte. 68 & 0.2 Mi. N. of Trimble Rd.	1.8	12/21/51	8/14/53	Gr., P.C.C., P.M.S. & 3 R.C. Brs.	1,374,408
52-4T16	Alameda	69	C, SLn, Oak	Bet. Lewelling Blvd. & S.C.L. of Oakland	4.2	12/26/51	Completed	Signs & Stripes	15,327
53-4TC23-F	SCl, Ala	69, 5	A, E, C	Bet. Rte. 68 at Gish Rd. & Warm Springs	8.1	8/27/52	Completed	Gr., P.C.C. on C.T.B., P.M.S., 2 Stl. UP's., 1 R.C. Br., 1 R.C. Sep. & 1 R.C. OC.	2,758,367
53-14TC27	Alameda	69	Oak	Bet. Fallon St. & Market St.	1.0	10/ 2/52	3/12/54	Gr., P.M.S. on C.T.B. & C.R.B., & 2 R.C. UC's.	1,364,884
53-4TC28	Alameda	69	Oak	At Hegenberger Rd.	0.5	10/10/52	3/24/53	Gr. & P.M.S. on C.R.B.	63,454
53-4TC29	Alameda	69	Oak	Bet. High St. & 38th Ave.	0.3	10/15/52	7/17/53	Roadside Development	51,457
53-4TC34	Alameda	69	Oak	At 42d Ave. Off-ramp	0.2	2/ 4/53	4/ 9/53	Chnlz.	8,285
53-4TC35	Alameda	69, 105	D, A	At Intrs. of Jackson St. with Harder Rd. & Eastshore Frwy. Ramps		2/ 6/53	5/27/53	Signals & Lights	14,227
53-4T31	Alameda	69	C, Hay, D	Bet. Jackson St. & Lewelling Blvd.	3.9	2/25/53	7/27/53	Signs, Stripes & Markings	9,412
54-4TC62	Alameda	69	Oak	In the City of Oakland Bet. San Leandro Cr. & High St.		5/ 4/54	Underway	Roadside Development	*24,644
								Total to 6/30/54	$25,376,670

NOTE: * opposite a contract indicates final cost figures not yet available.



STEEL VIADUCTS for connections between Bay Bridge, Bayshore Freeway and 13th Street Viaduct. Bay Bridge connection in various phases of construction between Fifth Street and Ninth Street is shown in center. A federal aid project.



STEEL VIADUCTS for connections between Bay Bridge, Bayshore Freeway and 13th Street Viaduct in San Francisco. A federal aid project.

BAYSHORE FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
14TC3	Santa Clara	68	C	At Coyote Cr. & at Coyote Rd. Abt. 6 Mi. S. of San Jose		12/ 4/45	7/25/47	Stl. Br. & UC.	286,284
14TC2	Santa Clara	68	C	At Ford Rd. Abt. 6 Mi. S. of San Jose		12/17/45	4/18/47	Stl. UC.	70,458
4TC20-F	Santa Clara	68	C	Bet. San Jose & 0.6 Mi. S. of Ford Rd.	8.1	12/20/45	5/13/47	Gr. & P.C.C.	1,386,229
14TC9	San Mateo	68	S.M	At Peninsular Ave.		1/22/46	12/10/47	Stl. OC.	218,327
14TC11-F	Santa Clara	68, 2	SJs	At Santa Clara St.	0.6	4/ 1/46	9/19/47	P.C.C. & A.C. on C.R.B. & R.C. Sep. Struct. & Apps.	452,473
4TC24	San Mateo	68	Burl, S.M	Bet. Broadway in Burlingame & State St. in San Mateo	2.2	6/22/46	12/10/47	Gr. & P.C.C. on C.R.B.	744,639
4TC26	San Mateo	68	SSF	Bet. S.P.R.R. & 0.5 Mi. S'ly.	0.5	6/26/46	4/ 2/47	Gr. & Sand Drains	226,255
4T37	Santa Clara	68, 2	SJs	At Santa Clara St.		7/ 6/46	12/11/47	Maintain Detour	7,280
4TC30	San Mateo	68	SSF, F, Burl	Bet. Colma Cr. in S. San Francisco & Broadway in Burlingame	5.1	10/ 9/46	12/31/47	Gr. & A.C. on C.R.B.	3,026,235
4TC32	Santa Clara	68, 2	SJs	At Santa Clara St. UP.	0.5	2/ 6/47	8/18/47	Landscape	17,341
14TC19	San Mateo	68	F, Burl	Bet. S. San Francisco & Burlingame		2/28/47	3/26/48	Substruct. for 4 Stl. OC's.	429,581
14TC20-F	San Mateo	68	SSF	In S. San Francisco		4/11/47	7/27/48	2 R.C. Brs., 1 R.C. UC., & R.C. Substruct. for 2 OH's.	511,380
4T62	Santa Clara	68	B, SJs	At McKee Rd.		4/17/47	6/29/48	Signals & Lights	7,822
14TC23-F	San Mateo	68	SSF	At Main Line & Belt Line RR.		6/27/47	2/ 4/49	Superstructs. for 2 OH's.	667,884
14TC24-F	San Mateo	68	F, Burl	Bet. S. San Francisco & Burlingame		8/ 7/47	1/28/49	Superstructs. for 4 OC's.	1,038,090
4TC42-F	San Mateo	68	SSF	Bet. N.C.L. & S. of Colma Cr.	2.1	8/21/47	5/24/49	P.C.C., A.C. & P.M.S.	1,162,167
4T74	San Mateo	68	SSF	Bet. S. San Francisco & Burlingame		9/10/47	5/16/49	Signals	22,308
4TC46	San Mateo	68	Burl, S.M	Bet. Broadway in Burlingame & Peninsular Ave. in San Mateo	2.0	2/13/48	7/14/48	Landscape	10,865
4T94	San Mateo	68	SSF, F, Burl	Bet. S. San Francisco UP. & Broadway in Burlingame		2/24/48	9/ 8/48	Restore Gr.	7,133
4T96	Santa Clara	68	B	At Agnew Rd.		3/ 3/48	Completed	Signals & Lights	9,977
4T81	San Mateo	68	SSF, F, Burl	Bet. Colma Cr. & Broadway in Burlingame	4.9	4/29/48	10/17/49	Signs & Stripe	19,785
4TC53	San Mateo	68	SSF, F, Burl	Bet. Colma Cr. in SSF & Broadway in Burlingame	4.9	5/ 5/48	7/30/48	Armor Ct.	20,802
0-4TC62	Santa Clara	68	B, SJs	Bet. Gish Rd. & Rte. 5	0.5	6/18/48	11/29/48	Resurf. with P.C.C.	75,639
1-4TC82-F	San Francisco	68	S.F	Bet. Augusta St. & 25th St.	1.3	5/11/49	8/28/51	Gr., P.C.C., P.M.S. Stl. UC. & Sep. & R.C. UC., OC., & Ped. UC. & Signals.	3,413,729
1-4TC96	San Mateo	68	SSF, F, Burl	Bet. Grand Ave. & Broadway	5.5	11/ 1/49	9/18/50	Roadside Planting	45,735
51-14TC31-F	San Francisco	68, 2	S.F	Bet. 18th St. & Bryant St.	0.7	6/22/51	7/31/53	Stl. Br. (Por.)	3,644,949
52-4TC24-F	San Mateo	68	E	Bet. S.C.L. of San Francisco & 0.6 Mi. S.	0.5	1/24/52	8/29/52	Gr.	196,462
52-14TC17-F	San Francisco	2	S.F	On 13th St. Bet. Mission St. & Rte. 68		2/20/52	7/28/53	Misc. Facilities & R.C. Ftgs.	550,179
52-4TC31-F	San Francisco	68	S.F	Bet. Army St. & 17th St.	1.3	3/18/52	10/28/53	Gr., P.C.C. & P.M.S. on C.T.B., Stl. OC. & 3 Stl. Ped. OC's.	1,804,294

53-4TC4-F	San Mateo	68	S.M, C	Bet. N.C.L. & 0.1 Mi. S. of S.C.L. of San Mateo	2.6	4/ 1/52	1/22/54	Gr., P.C.C. on C.T.S., R.C. OC., R.C. Ped. OC., Interchange On-Ramp & Off-Ramp, & Widen R.C. Br.	1,952,906
53-4TC5	San Mateo	68	SSF, F, Mlbr, Burl	Bet. Colma Cr. & Broadway	5.1	4/ 1/52	10/14/52	Resurf. with P.M.S.	295,710
52-4T21	San Mateo	68	S.M	Bayshore Frwy. Bet. Dakota Ave. & Newbridge Ave.	------	4/21/52	Underway	Storm Drain	*66,731
52-14TC22-F	San Francisco	68	S.F	On Bayshore Frwy. Bet. 16th St. & Seventh St.	0.7	5/22/52	9/28/54	Portion, Stl. Br. & Ramps	3,229,087
53-14TC15-F	San Francisco	2	S.F	On 13th St. Bet. Mission St. & Rte. 68	0.8	7/14/52	Underway	Por. of Stl. Br. & Ramps	*3,093,347
53-4TC11-P	Santa Clara	68	SJs, C	At Taylor St., Mabury Rd., San Antonio St., Story Rd. & Tully Rd.	------	7/25/52	2/26/53	Signals, Lights & Chnlz.	69,763
53-4TC32	San Francisco	68	S.F	At Alemany Rotary	0.1	11/10/52	3/11/53	Chnlz.	9,936
53-4T33	San Mateo	68	S.M, C	Thru San Mateo to 0.1 Mi. S. of San Mateo	2.6	3/27/53	Underway	Signs & Stripe	*11,882
54-4TC8-F	San Francisco	68	S.F	Bet. Hester Ave. & Alemany Blvd.	1.7	5/25/53	Underway	Gr., P.C.C. on C.T.S., P.M.S. on C.T.B., 2 R.C. OC's, 4 R.C. UC's., 2 Ped. R.C. OC's., 2 Ped. R.C. UC's., 1 Stl. & R.C. Br., Signals & Lights	*2,389,710
53-4TC42-F	San Mateo	68	S.M, C, Bmt, SCar	Bet. 0.1 Mi. N. of 16th Ave. & 0.2 Mi. S. of Bransten Rd.	5.0	6/ 8/53	Underway	Gr., P.M.S. on C.T.B., 5 R.C. & Stl. OC's., 2 R.C. Brs. & Extend R.C. Culv.	*4,143,544
53-4TC43-F	San Mateo	68	E	Bet. 0.3 Mi. & 1.3 Mi. S. of San Francisco Co. Line	1.0	6/16/53	6/21/54	Gr.	899,539
53-14TC38-F	San Francisco	2, 68	S.F	Wye Viaduct & Ramps	------	6/26/53	Underway	Por. Stl. Br., Gr., I.B.M. & P.M.S. on C.T.B.	*828,655
53-4T39	San Mateo	68	S M, C, Bmt, SCar	Bet. 0.1 Mi. N. of 16th Ave. & 0.2 Mi. S. of Bransten Rd	------	6/30/53	Underway	Signs, Stripe & Markings	*6,000
54-14TC30	San Francisco	68	S F	Bet. 8th St. & 4th St.	0.7	10/ 8/53	Underway	Stl. Br. (Pors.) & Misc. Rd. Work	*3,680,237
54-14TC43	San Francisco	68	S F	Bet. Fifth St. & Third St.	------	5/ 4/54	Underway	Construct Br. (Por.)	*897,090
54-4TC60	S.M, S.F	68	E, S.F	Bet. 0.1 Mi. S. of S.C.L. of San Francisco & Third St. OC.	0.7	5/ 4/54	Underway	Gr. & 2 R.C. Brs.	*630,080
54-4TT112-C	Santa Clara	68	B	Bayshore Hwy. at Santa Clara-Alviso Rd.	------	5/ 7/54	Underway	Install Pressure Detectors	*580
55-4TC16	San Francisco	68	S.F	At Alemany Rotary	------	6/23/54	Underway	Widen on-ramp Surf. with P.M.S. on C.T.B.	*17,677
								Total to 6/30/54	$41,902,225

NOTE: * opposite a contract indicates final cost figures not yet available.

ELVAS FREEWAY from 30th and C Streets to US 40 at Sacramento. A federal aid project.

ELVAS FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
52-14T13	Sacramento	98	B	"B" St. & Elvas UP	------	12/17/51	Underway	Relocate Western Union Facilities	*7,832
52-14TC21-F	Sacramento	98	B	Across American Riv. near Elvas Abt. 1 Mi. NE. of Sacramento	------	5/16/52	8/23/54	Stl. Br. Superstructure	*1,003,904
53-3TC12-F	Sacramento	98, 3	B, B	Bet. N. End of American Riv. Br. & Rte. 3 near Swanston Rd.	1.4	11/13/52	8/11/54	Gr., Base & 4 R.C. Brs.	*728,138
54-3TC14-F	Sacramento	98	Sac, B	Bet. "C" St. in Sacramento & Rte. 3 near Swanston Rd.	2.5	4/ 9/54	Underway	Gr., P.C.C. on C.T.B. & P.M.S. on U.R.B.	*815,459
52-14TC20-F	Sacramento	98	Sac, B	Under Tracks of S.P. Co. at "B" St. & Elvas Wye, in & near City of Sacramento	------	5/12/54	2/10/54	2 Stl. UPs.	1,459,778
								Total to 6/30/54	$4,051,877

NOTE: * opposite a contract indicates final cost figures not yet available.

NORTH SACRAMENTO FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
414TC4	Sacramento	3	B, NSac	Bet. American Riv. Br. & N. Sacramento	------	6/20/41	12/22/42	Viaduct & Appr.	$567,647
3TC8	Sacramento	3	B	At Intrs. of 12th & 16th Sts.	------	1/14/44	12/21/44	Signals	9,144
3TC21	Sacramento	3	B	Bet. N. Sacramento Viaduct & 0.5 Mi. E. of Ben Ali	4.1	12/20/45	12/30/47	Gr., P.C.C., Stl. UP., Conc. OC., & 2 Conc. UC's.	1,909,257
3T56	Sacramento	3	B	N. Sacramento Frwy.	------	8/ 5/46	1/ 4/47	Signs & Stripes	8,021
3TC43	Sacramento	3	B	Bet. N. Sacramento Viaduct & Howe Ave.	------	11/13/47	12/14/48	Lights	32,179
3TC46	Sacramento	3	B	Bet. N. Sacramento Viaduct & 0.5 Mi. E. of Ben Ali	------	2/ 4/48	6/18/49	Landscape	86,930
3T88	Sacramento	3	B	N. Sacramento Frwy.	0.3	8/ 4/48	9/ 1/48	Curbs	6,380
0-3TC55	Sacramento	3	B	N. Sacramento Frwy.	3.7	12/ 3/48	4/28/49	Barrier Posts	10,502
0-3TC56	Sacramento	3	B	N. Sacramento Off-Ramp	0.2	12/ 4/48	4/12/49	Gr. & Surf.	13,682
1-3TTC4	Sacramento	3	B	E. End of N. Sacramento Viaduct	------	11/29/49	5/22/50	Illum. Sign Br.	5,478
3T96	Sacramento	3	B	Bet. N. Sacramento Viaduct & 0.5 Mi. E. of Ben Ali	------	3/ 1/50	1/31/51	Guard Rail, Guide Posts, Reflectors & Signs	5,226
54-14TC24-F	Sacramento	3	B	Bet. Ben Ali & Placer Co. Line	------	8/ 6/53	Underway	Construct 7 R.C. Brs.	*596,879
54-3TC9	Sac, Pla	3	B, A	Bet. Ben Ali & 1 Mi. S. of Roseville	10.1	12/ 7/53	Underway	Gr.-P.M.S. on Frontage Rds. & OC. Rds.	*737,583
54-3TT28-C	Sacramento	3	B	N. Sac. Frwy. Stations 121+00 & 75+50	------	5/ 7/54	Underway	Erect fence & install drive gate	*242
								Total to 6/30/54	$3,989,151

NOTE: * opposite a contract indicates final cost figures not yet available.

TRAFFIC ON HOLLYWOOD FREEWAY. Highland Avenue grade separation structure in background.

SEPARATION STRUCTURE on Ramona Freeway in Los Angeles County. A federal aid project.

HOLLYWOOD FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
27V2	Los Angeles	2	L.A	Cahuenga Blvd. E. Roadway at Mulholland Hwy. (State's Share of Cost)		10/16/39	6/12/40	Br.	$47,639
27V6	Los Angeles	2	L.A	Cahuenga Blvd., Bet. Holly Crest Dr. & Fairfield Ave. (State's Share of Cost)		2/ 7/40	6/15/40	Gr., Pave, Strs.	398,390
27V10	Los Angeles	2	L.A	Cahuenga Blvd., Holly Crest Dr. to Barham Blvd. (State's Share of Cost)		5/18/40	12/31/40	Gr., Pave, Strs.	334,330
14VC10-F	Los Angeles	2	L.A	At Benton Way		2/ 4/46	9/ 4/47	R.C. OC.	169,453
7VC24-FP	Los Angeles	2	L.A	Bet. Diamond St. & Sunset Blvd.		10/24/46	5/ 7/47	St. Drain & Sanitary Sewer	198,701
14VC20-F	Los Angeles	2	L.A	At Silver Lake Blvd.		11/14/46	4/16/48	R.C. UC.	461,036
14VC22-F	Los Angeles	2	L.A	At Grand Ave.		12/ 9/46	1/29/48	R.C. OC.	259,000
7VC35-FP	Los Angeles	2	L.A	Bet. Vineland Ave. & Barham Blvd.	1.8	5/28/47	2/ 9/49	Gr., P.C.C., A.C. & R.C. Sep. Struct.	1,735,111
14VC32-FP	Los Angeles	2, 165	L.A	At Jct. Hollywood, Arroyo-Seco & Harbor Frwys.		6/24/47	8/ 6/49	4-Level R.C. Gr. Sep. Struct.	1,183,656
14VC37-F	Los Angeles	2	L.A	On Hollywood Frwy. at Alvarado St.		10/20/47	10/ 1/48	R.C. UC.	365,233
14VC44-F	Los Angeles	2	L.A	At Virgil Ave., Hoover St. & Rosemont Ave.		1/20/48	2/ 1/49	2 R.C. UC's, & 1 R.C. OC.	606,574
14VC49-F	Los Angeles	2	L.A	At Figueroa St.		2/27/48	10/15/49	4 R.C. UC's & 2 Ramp Gr. Sep. Structs.	1,059,511
7VC73	Los Angeles	2	L.A	Bet. E. Edgeware Rd. & 0.5 Mi. E'ly.	0.1	4/22/48	7/19/48	Gr. & P.C.C.	16,888
14VC53-F	Los Angeles	2	L.A	At Vendome St. & Coronado St.		4/26/48	4/28/49	2 R.C. UC's	346,294
0-14VC54-F	Los Angeles	2	L.A	At Bonnie Brae St. & Beaudry Ave.		5/14/48	5/19/49	R.C. OC. & U.C.	447,142
7VC82	Los Angeles	2	L.A	Bet. Vineland Ave. & Barham Blvd.		6/29/48	3/11/49	Lights	41,196
0-14VC64-F	Los Angeles	2	L.A	At Spring St.		8/23/48	9/28/49	R.C. OC.	220,625
0-14VC65-FP	Los Angeles	2	L.A	At Melrose & Vermont Aves.		9/ 2/48	2/10/50	R.C. OC. & R.C. UC.	1,005,725
0-14VC75	Los Angeles	2	L.A	At Santa Monica Blvd. & Normandie Ave.		11/16/48	3/24/50	R.C. OC., R.C. UC. & Apps.	618,465
0-7VC95	Los Angeles	2	L.A	Bet. Vineland Ave. & Barham Blvd.	1.8	11/19/48	8/ 5/49	Landscape	28,558
0-14VC76	Los Angeles	2	L.A	At Western Ave.		12/15/48	6/30/50	Stl. OC.	708,309
0-14VC77	Los Angeles	2	L.A	At Glendale Blvd.		1/13/49	2/ 1/50	2 R.C. UC's. & Apps.	497,807
0-7VC96	Los Angeles	2	L.A	Bet. Hill St. & Spring St.	0.1	1/18/49	1/29/51	Gr., P.C.C. & A.C. & 2 R.C. OC's.	983,229
0-14VC79	Los Angeles	2	L.A	At Heliotrope Dr.		2/17/49	4/25/50	R.C. UC.	521,552
0-14VC80	Los Angeles	2	L.A.	At E. Edgeware Rd.		3/ 1/49	12/ 5/49	R.C. OC.	125,342
0-7VC107	Los Angeles	2	L.A	Bet. Normandie Ave. & Alexandria Ave.	0.2	4/ 8/49	7/11/49	Outer Hwys.	32,420
0-7VC108	Los Angeles	2	L.A	Boston St. Extension	0.1	4/14/49	6/10/49	Gr. & P.M.S. on P.C.C. Base	17,496
0-7VC120-F	Los Angeles	2	L.A	Bet. Virgil Ave. & Glendale Blvd.	1.6	6/ 9/49	2/23/51	Gr. & P.C.C.	1,427,156
0-7VC127-F	Los Angeles	2	L.A	Bet. Glendale Blvd. & Grand Ave.	1.2	6/24/49	2/26/51	Gr. & P.C.C.	1,027,304
1-7VC132	Los Angeles	2	L.A	Bet. Holly Crest Dr. & Vineland Ave.		10/11/49	11/25/49	Illuminated Signs	4,286
1-14VC96-F	Los Angeles	2	L.A	Inbound Lanes over Santa Monica Frwy. Outbound & Heliotrope Dr.		12/15/49	4/30/51	R.C. Sep. Struct.	526,241
1-14VC97-F	Los Angeles	2	L.A	Over Hollywood Frwy. at Hill St.		2/ 8/50	6/15/51	R.C. OC.	446,929
7V158	Los Angeles	2	L.A	Bet. Virgil Ave. & Glendale Blvd.	1.6	3/29/50	11/ 7/51	Signs, Stripes & Markings	10,852
1-7VC155-F	Los Angeles	2	L.A	Bet. Western Ave. & Virgil Ave.	1.7	5/11/50	10/26/51	Gr., P.C.C. & R.C. Ped. UC.	1,502,998
7V159	Los Angeles	2	L.A	Bet. Glendale Blvd. & Grand Ave.	1.2	5/18/50	8/31/51	Signs, Stripes, & Safety Devices	5,400

1-14VC101-F	Los Angeles	2	L.A	At Sunset Blvd.	------	5/25/50	9/27/51	R.C. OC.	322,063
1-14VC102-F	Los Angeles	2	L.A	At Fountain Ave.	------	6/ 2/50	7/16/51	Gr., A.C. & R.C. OC.	322,452
1-7VC158	Los Angeles	2	L.A	Bet. Virgil & Grand Aves.	------	6/20/50	5/28/51	Lights & Illuminated Signs	149,163
1-14VC104-F	Los Angeles	2	L.A	At Wilton Pl.	------	6/29/50	7/25/51	R.C. OC.	324,862
1-7VC159	Los Angeles	2	L.A	Bet. Western Ave. & Hobart Blvd.	------	6/29/50	4/15/53	Pump Plant & Storm Drains	140,073
51-14VC7	Los Angeles	2	L.A	Over Hollywood Frwy. at Belmont Ave.	------	9/19/50	3/ 9/51	R.C. Ped. OC.	34,636
51-14VC11-F	Los Angeles	2	L.A	At Van Ness Ave.	------	11/27/50	12/26/51	2 R.C. Brs.	341,608
51-7VC25	Los Angeles	2	L.A	Bet. Western Ave. & Virgil Ave.	------	12/13/50	10/10/51	Lights & Signs	65,376
51-7VC26	Los Angeles	2	L.A	Bet. Beaudry Ave. & Grand Ave.	0.4	12/22/50	9/20/51	Roadside Development	46,575
7V165	Los Angeles	2	L.A	Bet. Virgil Ave. & Western Ave.	1.7	1/ 3/51	1/31/52	Signs, Stripes, & Safety Devices	7,492
51-7VC29	Los Angeles	2	L.A	Bet. Virgil Ave. & Beaudry Ave.	2.3	1/11/51	1/10/52	Roadside Development	53,473
51-14VC13	Los Angeles	2	L.A	At Holly Dr.	------	1/19/51	1/10/52	R.C. UC.	300,091
51-7VC34-F	Los Angeles	2	L.A	Bet. Grand Ave. & Los Angeles St.	0.5	1/26/51	2/ 7/52	Gr., P.C.C. & A.C. & R.C. OC.	1,034,626
51-14VC14-F	Los Angeles	2	L.A	At Hollywood Blvd.	------	2/20/51	7/21/52	R.C. OC.	365,202
51-14VC18-F	Los Angeles	2	L.A	At Cahuenga Blvd.	------	3/20/51	5/12/52	R.C. UC.	318,890
51-7VC42-P	Los Angeles	2	Hill St. L.A	Bet. Sunset Blvd. & 200′ S. of Temple St.	0.5	4/ 2/51	2/21/52	Gr. & A.C.	208,000
51-7VC51	Los Angeles	2	L.A	Bet. Parkman & Grand	------	5/23/51	6/25/52	Plant Ground Cover	40,187
51-14VC19-F	Los Angeles	2	L.A	Bet. Cahuenga Blvd. & Gower St.	0.6	5/31/51	8/ 6/53	Gr., P.C.C. on I.B.M. & 3 R.C. UC's., 1 R.C. OC., & 1 R.C. Sep.	1,886,597
51-14VC21-F	Los Angeles	2	L.A	At Bronson Ave. & at Gower St.	------	6/21/51	1/ 6/53	2 R.C. Brs.	1,010,020
52-7VC15	Los Angeles	2	L.A	Bet. Cahuenga Blvd. & Gower St.	------	7/27/51	8/25/53	Lights & Illuminated Signs	41,101
52-7VC24-F	Los Angeles	2	L.A	Bet. Hollywood Blvd. & Western Ave.	0.7	12/28/51	6/16/53	Gr., P.C.C. on C.T.S., Ret. Walls & Pump Plant	1,514,392
52-7VC27	Los Angeles	2	L.A	Bet. Hollywood Blvd. & Western Ave.	------	1/16/52	4/30/53	Lights & Illuminated Signs	66,545
52-7VC31-Y	Los Angeles	2	L.A	At Intrs. Franklin Ave. with Vine St. & Argyle Ave.	------	2/ 6/52	5/25/53	Lights	3,852
52-7VC32-F	Los Angeles	2	L.A	Bet. Mulholland Dr. & Cahuenga Blvd. & Bet. Gower St. & Hollywood Blvd.	1.4	2/14/52	8/ 5/54	Gr., P.C.C. on C.T.S., 3 R.C. Brs., R.C. Ped. UC. & Extend 2 R.C. Ped. UC's.	2,497,390
52-7VC33	Los Angeles	2	L.A	Bet. Mulholland Dr. & Cahuenga Blvd. & Bet. Gower St. & Hollywood Blvd.	------	3/12/52	6/29/54	Lights & Signs	160,088
52-7V35	Los Angeles	2	L.A	Bet. Mulholland Dr. & Hollywood Blvd.	------	4/21/52	Underway	Signs, Stripe & Markings	*15,000
52-7VC42	Los Angeles	2	L.A	Bet. Virginia Ave. & Los Angeles St.	2.0	6/27/52	8/ 6/53	Roadside Development	121,079
53-7V17	Los Angeles	2	L.A, D	Bet. Kingsley Dr. & Ditman St.	------	10/ 3/52	12/ 3/53	Drainage	20,147
53-7VC46	Los Angeles	2, 26, 165, 205	L.A, SPas	Various Locations on Hollywood, Santa Ana, Ramona & Arroyo Seco Frwys.	------	3/19/53	7/30/53	Reconstruct Slopes	31,441
54-7VC17	Los Angeles	2	L.A	Bet. Hollywood Blvd. & Santa Monica Blvd.	1.0	8/10/53	5/12/54	Roadside Development	86,277
54-7VC56	Los Angeles	2	L.A	Bet. Cahuenga Blvd. & Gower St., on Hollywood Frwy.	------	2/ 3/54	Underway	Roadside Development	*42,208
								Total to 6/30/54	$28,794,267

NOTE: * opposite a contract indicates final cost figures not yet available.

SANTA ANA FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
14VC11	Los Angeles	2	L.A	At Fourth St.		1/ 5/46	6/26/47	R.C. OC.	$144,927
14VC8	Los Angeles	2	L.A	At Seventh St.		1/11/46	10/ 1/47	R.C. OC.	270,763
7VC16	Los Angeles	2	L.A	Bet. Kearney & Soto Sts.	1.6	1/14/46	12/11/47	Grade, P.C.C. & A.C.	1,495,108
14VC9	Los Angeles	2	L.A	Over Ramp 4 of Ramona Freeway		3/29/46	8/11/47	2 R.C. Sep. Struct. & Ret. Walls	148,801
7VC21-F	Los Angeles	2	L.A	Bet. Soto St. & Indiana St.		7/15/46	4/ 4/47	Grade, Storm Drains & Sanitary Sewers	402,618
14VC15-F	Los Angeles	2	L.A	At First St.		7/22/46	5/12/47	R.C. UC.	182,515
14VC14	Los Angeles	2	L.A	At Boyle Ave.		7/25/46	8/ 8/47	R.C. OC.	216,876
14VC23	Los Angeles	2	L.A	At Lorena Ave.		12/11/46	10/24/47	R.C. OC.	151,568
14VC25	Los Angeles	2	L.A	At Esperanza St. & Indiana St.		12/31/46	1/30/48	R.C. OC. & UC.	259,442
14VC24	Los Angeles	2	L.A	At Olympic Freeway		1/ 2/47	1/23/48	R.C. UC.	319,888
7VC28	Los Angeles	2	L.A	Bet. Kearney & Soto Sts.	1.5	2/ 4/47	2/16/48	Landscape	62,091
14VC28	Los Angeles	2	L.A	At Soto St.		3/ 6/47	1/ 7/48	R.C. UP.	194,788
14VC30	Los Angeles	2	L.A	At Euclid Ave. & Marietta St.		4/29/47	2/26/48	2 R.C. UC's.	273,439
7VC37	Los Angeles	2	L.A	Bet. Aliso & Kearney Sts.		5/13/47	1/12/48	Grade, P.C.C. & A.C.	205,786
7VC44	Los Angeles	2	L.A	Bet. Aliso St. & Kearney St.		7/11/47	4/23/48	Landscape	11,066
7VC59-F	Los Angeles	2	L.A, D	Bet. Soto St. & Eastman Ave.	2.0	2/13/48	4/ 4/49	Grade, P.C.C. & A.C.	1,142,913
0-14VC67-F	Los Angeles	166	A	Bet. La Verne Ave. & Eastland Ave.	0.9	9/15/48	4/17/50	Grade, P.C.C., P.M.S., 2 Conc. & 1 Stl. Struct.	1,493,824
0-7VC91	Los Angeles	2	L.A, D	Bet. Aliso St. & Eastman Ave.		9/27/48	5/24/49	Lights	120,773
0-7VC99	Los Angeles	2	L.A, D	Bet. Soto St. & Eastman Ave.	2.0	1/ 7/49	12/ 9/49	Landscape	50,815
0-7VC106	Los Angeles	166, 167	A, A	On Santa Ana Frwy. at La Verne & Eastland Aves.		2/ 3/49	4/21/50	Signals & Lights	100,205
7V142	Los Angeles	2	L.A, D	Bet. Aliso St. & Eastman Ave.		3/ 1/49	5/ 3/49	Signs & Lights	6,018
0-14VC84	Los Angeles	2	L.A	At Los Angeles St.		4/23/49	8/ 3/50	2 R.C. OC's	495,098
1-14VC93-F	Los Angeles	2	L.A.	At North Main St.		9/16/49	2/ 9/51	2 R.C. OC's	616,387
1-7VC141-F	Los Angeles	174	B	Bet. Rosecrans Ave. & Orange Co. Line	3.5	1/ 3/50	12/29/50	Grade, A.C. on C.T.B. & 3 R.C. Brs.	743,850
7V154	Los Angeles	166	A	Bet. La Verne Ave. & Eastland Ave.	0.9	1/12/50	5/31/50	Signs, Stripes & Markings	7,320
1-7VC143	Los Angeles	174	B	Bet. Rosecrans & Valley View on Firestone Blvd.		1/23/50	12/29/50	Signals & Lights	25,800
1-7VC148-F	Orange	174	A	Bet. Los Angeles Co. Line & 0.2 Mi. SE. of Euclid Ave.	5.0	3/29/50	1/23/51	Grade & A.C. on C.T.B.	576,713
1-7VC149-F	Orange	174	A, Ana	Bet. 0.2 Mi. SE'ly of Euclid Ave. & Rte. 2	2.9	3/31/50	2/16/51	Grade & A.C. on C.T.B.	374,536
1-14VC99	Los Angeles	166	A	Bet. Gage Ave. & Tweedy Lane	0.6	4/28/50	6/20/51	P.M.S., Stl. Br. & Apps.	281,761
51-7VC15	Orange	174	Ana, A	Bet. Lincoln Ave. & Los Angeles St.		8/22/50	3/ 7/51	Signals & Lights	36,835
51-7VC17-F	Los Angeles	166	A	Bet. Augusta Ave. & 0.1 Mi. E'ly of Rio Hondo	2.3	9/29/50	7/ 7/53	Grade, P.C.C. on C.T.S., P.M.S. on U.R.B. & 5 R.C. Structs. (2 Ped. OC's., 1 UC. & 2 OC's.)	1,787,088
51-7VC22	Los Angeles	166	A	Bet. La Verne Ave. & Eastland Ave.	0.6	11/17/50	6/ 4/51	Roadside Development	23,568
51-7VC23-F	Los Angeles	2, 166	D, A	Bet. Eastman Ave. & 0.1 Mi. W'ly of Atlantic Blvd.	1.1	11/27/50	4/ 3/53	Grade, P.C.C. on C.T.S., & 2 R.C. OC's. & 1 R.C. Ped. UC.	1,237,057

51-7VC41-F	Los Angeles	166	A	Bet. 0.2 Mi. SE'ly. of Washington Blvd. & Todd Ave.	1.5	3/ 9/51	7/ 3/53	Grade, P.C.C. on C.T.S. over I.B.M. P.M.S. on U.R.B., R.C. UC. & Ped. OC. & Stl. UP.	1,626,987
51-7VC48	Los Angeles	2, 166	D, A	Bet. Eastman Ave. & La Verne Ave. & Bet. Eastland Ave. & Todd Ave.		4/25/51	5/25/53	Lights & Signs	83,425
7V178	Los Angeles	2	L.A	Bet. Alameda & Aliso Sts. & Los Angeles Riv.		5/21/51	Underway	Storm Drains	*1,148,700
51-14VC22-F	Orange	174, 2	S.A, C	Bet. Broadway in Santa Ana & First St.	2.8	6/22/51	8/21/53	Grade, P.C.C. on C.T.S. & 2 R.C. UC's., 2 R.C. OC's., R.C. Ped. UC., Stl. OC. & Stl. UP.	2,634,014
52-7VC14	Orange	2, 174	S.A, C, S.A	Bet. Broadway & First St.		8/ 3/51	8/31/53	Lights & Illuminated Signs	122,574
52-7VC17-F	Los Angeles	166	A	Bet. Todd Ave. & 0.2 Mi. SE'ly of Lakewood Blvd.	2.0	8/20/51	10/19/53	Grade, P.C.C. on C.T.S., R.C. & Stl. Br., R.C. Ped. UC., Sep., UC., & OH.	2,797,650
52-7VC21	Los Angeles	166	A	Bet. Todd Ave. & Lakewood Blvd.		10/ 8/51	10/23/53	Signals, Lights & Illuminated Signs	134,832
52-7V25	Los Angeles	2	L.A	Bet. Grand Ave. & Los Angeles St.		1/29/52	Completed	Signs & Stripes	5,731
52-7V26	Los Angeles	166	A	Bet. Todd Ave. & Lakewood Blvd.		2/13/52	Completed	Signs & Stripes	8,500
52-14VC17-F	Los Angeles	2	L.A	Bet. Los Angeles St. & Lyon St.	0.3	3/24/52	2/18/54	Grade, P.C.C. & A.C., 2 R.C. UP's. & 3 R.C. Retaining Walls	1,324,629
52-7VC36	Los Angeles	2	L.A	Bet. Los Angeles St. & Lyon St.		4/ 1/52	3/10/54	Lights & Illuminated Signs	42,990
52-7VC37	Orange	174, 2	A, D	Bet. 0.25 Mi. W'ly of Los Angeles St. & Orangewood Ave.	1.2	4/ 1/52	6/ 3/53	Grade, P.C.C., P.M.S., R.C. OC. & R.C. Grade Sep.	855,034
52-7V32	Orange	2, 174	S.A, C	Bet. Broadway & First St.		4/15/52	Completed	Signs, Stripes & Markings	9,700
53-14VC2-F	Los Angeles	166	A	Across San Gabriel Riv., 2 Mi. E. of Downey		4/18/52	12/16/53	R.C. Br. & App. Emb.	538,801
53-7VC13	Los Angeles	166	A	Bet. Orr & Day Rd. & Pioneer Blvd.	1.0	7/29/52	1/14/53	Grade, P.C.C. on C.T.S. & R.C. OH.	732,498
53-7VC18-F	Los Angeles	166	A	Bet. 0.2 Mi. SE. of Lakewood Blvd. & Orr & Day Rd.	2.0	8/21/52	1/14/54	Grade, P.C.C. on C.T.S., P.M.S. on U.R.B., R.C. OC. & Ped. R.C. OC.	1,060,226
53-7V17	Los Angeles	2	L.A, D	Bet. Kingsley Dr. & Ditman St.		10/ 3/52	Completed	Drainage	20,147
53-7VC28	Los Angeles	166	A	Bet. Lakewood Blvd. & Pioneer Blvd.		10/23/52	1/27/54	Lights & Signs	39,224
53-7VC36	Los Angeles	2, 166	D, A	Bet. Eastman Ave. & Todd Ave.		12/ 8/52	6/ 2/54	Roadside Development	109,505
53-7VC38-F	Los Angeles	166	A	Bet. Pioneer Blvd. & Rosecrans Ave.	2.1	12/31/52	Underway	Grade, P.C.C. on C.T.S., P.M.S. on U.R.B., 5 R.C. Brs. & Ped. R.C. OC.	*2,625,003
53-7V21	Los Angeles	166	A	Bet. Lakewood Blvd. & Pioneer Blvd.	3.0	12/31/52	Completed	Signs & Stripe	5,995
53-7VC46	Los Angeles	2, 26, 165, 205	L.A, SPas	Various Locations on Hollywood, Santa Ana, Ramona & Arroyo Seco Frwys.		3/19/53	7/30/53	Reconstruct Slopes	31,331
53-7VC53	Los Angeles	166	A	Bet. Pioneer Blvd. & Rosecrans Ave.		4/10/53	Underway	Lights & Signs	*118,377
54-7VC29	Los Angeles	2	L.A.	On Santa Ana Frwy. bet. Ramona Frwy. & Seventh St.		10/ 5/53	4/28/54	Grade-A.C.-P.C.C. to Provide Additional Ramps	245,038
54-7VC33	Los Angeles	166, 167	A, A	At interchange of Santa Ana Frwy. with Atlantic Blvd.		10/28/53	4/16/54	Signals, Lights, Ramp, Channelization	80,001
54-7VC39	Los Angeles	174	B	On Santa Ana Frwy. bet. Rosecrans Ave. & Luitwieler Ave.		11/25/53	7/ 6/54	Roadside Development	4,240
54-7VC40	Orange	2, 174	A, D	Bet. 0.25 Mi. W. of Los Angeles St. & Lewis St.		11/25/53	6/ 9/54	Roadside Development	13,377
54-7VC49	Los Angeles	2	L.A	On Santa Ana Frwy. bet. Ramona Frwy. & Seventh St.		12/11/53	4/30/54	Lighting & Illum. Signs	38,349

SANTA ANA FREEWAY—Continued

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
54-7VC50	Orange	2	C, Tus, S.A	On Santa Ana Frwy. bet. Browning Ave. & First St.	2.5	12/16/53	Underway	Grade & Place P.C.C. on C.T.S., Const. 1 R.C. OC, 3 R.C. UC., 1 R.C. Sep.	*$1,958,110
54-7VC47	Orange	174, 2	S.A, C	Bet. Broadway & First St.		12/16/53	Underway	Roadside Development	*39,135
54-7VC53	Orange	2	C, Tus, S.A	On Santa Ana Frwy. from Red Hill Ave. to First St.		1/18/54	Underway	Lighting & Illum. Signs	*82,720
54-7VC55	Los Angeles	166	A	On Santa Ana Frwy. bet. Todd Ave. & Pioneer Blvd.		1/25/54	7/29/54	Roadside Development	42,535
54-7VC61	Los Angeles	2, 26	L.A	At the Ramona-Santa Ana Frwy. Interchange		3/ 8/54	Underway	Lighting & Illum. Signs	*32,516
54-7VC62-Y	Los Angeles	174	B	On Firestone Blvd. bet. Studebaker Rd. & Orr & Day Rd.	0.5	3/10/54	Underway	Grade, P.M.S. & R.C. OH	*368,371
54-14VC19-F	Los Angeles	174	B	Bet. Rosecrans Ave. & Orange Co. Line		6/11/54	Underway	4 Stl. Sep. Structs., Grade & P.M.S. on Ramps	*953,329
	L.A, Ora			Various Locations				Signals & Lights Under Various Contracts	*76,500
								Total to 6/30/54	$35,077,591

NOTE: * opposite a contract indicates final cost figures not yet available.

SEPARATION STRUCTURES on San Luis Obispo Freeway. Southern Pacific Railroad underpass nearest camera. A federal aid project.

UNDERCROSSING on Tulare Bypass in Tulare County

RAMONA FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
67XC5	Los Angeles	26	D	Bet. Evergreen Ave. & Atlantic Blvd.	3.8	2/27/33	11/26/34	Gr., P.C.C. & A.C.	$366,335
67XC6	Los Angeles	26	L.A	Bet. State St. & Fickett St.	0.6	12/29/33	3/ 5/35	Gr. & P.C.C.	86,395
614XC5	Los Angeles	26	L.A	At Cornwell St.	------	1/ 3/34	5/17/34	R.C. & Timber Br.	26,169
614XC6	Los Angeles	26	L.A	At Lord St.	------	1/ 9/34	6/ 6/34	R.C. & Timber Br.	25,511
614XC7	Los Angeles	26	L.A	At State St.	------	1/23/34	6/22/34	R.C. Br.	28,339
614XC9	Los Angeles	26	L.A	At Marengo St.	------	1/31/34	9/19/34	Reconst. Br.	43,840
67XC7	Los Angeles	26	L.A	Bet. State St. & Mission Rd.	1.0	2/13/34	4/15/35	Gr. & P.C.C.	211,941
67XC13	Los Angeles	26	L.A, D	At Garvey Ave.	5.9	1/ 7/35	4/26/35	Water Pipe Lines	11,441
67XC18	Los Angeles	26	L.A, D	Bet. Mission Rd. & Atlantic Blvd.	------	4/15/35	8/23/35	Plant Trees & Shrubs	13,531
27X29	Los Angeles	26	L.A	Aliso St. at Mission Rd. (State's Share of Cost)	------	4/20/40	4/29/41	Gr. Sep.	496,295
414XC4-P	Los Angeles	26	L.A	At Pomeroy, Cornwell & Soto Sts.	------	7/10/41	6/ 3/43	3 R.C. Brs.	260,204
47XC5	Los Angeles	26	L.A, D	Bet. Macy St. & Indiana St.	2.0	12/11/41	12/20/43	Gr. & A.C. & P.C.C.	280,162
47X44	Los Angeles	26	L.A	Aliso St. Viaduct (State's Share of Cost)	------	6/29/42	5/18/43	Walls & Struct. Footings	123,900
7XC16	Los Angeles	26	L.A	Bet. Macy St. & Indiana St.	1.9	4/26/46	7/22/46	Fence	28,773
7VC58	Los Angeles	26	L.A	Bet. Macy St. & Indiana St.	1.8	2/13/48	8/18/48	Landscape	43,635
1-7VC130-F	Los Angeles	26	L.A, D	Bet. Evergreen Ave. & E. of Helen Dr.	1.8	9/ 1/49	5/ 1/51	Gr., P.C.C., P.M.S., 3 R.C. Brs., & 2 R.C. Ped. UC's. Extended	1,369,189
1-7VC147	Los Angeles	26	L.A, D	Bet. Macy St. & Helen Dr.	------	2/ 9/50	4/13/51	Signs & Lights	40,421
7V157	Los Angeles	26	L.A, D	Bet. Evergreen Ave. & Helen Dr.	------	3/23/50	8/21/51	Signs, Stripes & Signals	7,584
1-7VC156-F	Los Angeles	168	C, EMte	Bet. Garvey Ave. & Valley Blvd.	1.4	5/19/50	10/ 4/51	Gr., P.C.C. & P.M.S. on C.T.B., 1 Stl. UP. & 2 R.C. Brs.	802,336
51-7VC38-F	Los Angeles	26	D, L.A, Alh	Bet. 0.2 Mi. E. of Helen Dr. & Hellman Ave.	1.5	2/ 9/51	3/26/53	Gr., P.C.C. on C.T.S., P.M.S. on I.B.M., Stl. UP. & Ped. OC., R.C. OC., & R.C. & Stl. UC.	1,928,222
51-14VC20	Los Angeles	26	D, L.A	On Murphy St., Bet. Eastern Ave. & Ramona Frwy.	0.5	5/31/51	9/30/52	P.M.S. on I.B.M., Stl. Br. & Ramp	182,452
51-7VC50-F	Los Angeles	26	Alh	Bet. Hellman Ave. & Eighth St.	0.9	6/28/51	6/ 3/53	Gr., P.C.C. on C.T.S., P.M.S. on I.B.M., Stl. Ped. OC., & 2 R.C. UC's.	1,451,717
51-7VC54	Los Angeles	26	D, L.A, Alh	Bet. Helen Dr. & Eighth St.	------	6/28/51	3/27/53	Lights & Illum. Signs	94,574
52-7VC19	Los Angeles	26	Alh, MonP, E	Bet. Eighth St. & 0.1 Mi. E. of Jackson Ave.	1.7	9/25/51	12/ 9/53	Gr., P.C.C., P.M.S., R.C. Ped. UC., 3 R.C. & Stl. UC's & UP's., & 1 R.C. & Stl. OH.	2,703,719
52-14VC13	Los Angeles	26	Alh	Over Ramona Frwy. & P.E. Ry. Tracks at Campbell Ave.	------	11/27/51	1/21/53	Stl. & R.C. Ped. OC.	93,754
52-14VC14	Los Angeles	26	L.A	Over Ramona Frwy. & P.E. Ry. Tracks at Evergreen Ave.	------	1/ 4/52	2/ 5/53	Stl. & R.C. Ped. OC.	90,817
52-7VC30-F	Los Angeles	26	E	Bet. 0.1 Mi. E. of Jackson Ave. & Rosemead Blvd. (Por.)	1.7	1/28/52	2/26/54	Gr., P.C.C., P.M.S., Stl. Br., R.C. & Stl. Br., 3 R.C. & Stl. UC's. & UP's. & R.C. Gr. Sep.	2,652,021

52-7V27	Los Angeles	26	Alh	Bet. Eighth St. & Jackson Ave.	------	2/26/52	Completed	Signs, Stripes, Etc.	6,395.95
52-7V30	Los Angeles	26	E	Bet. Jackson Ave. & Rosemead Blvd.	------	3/18/52	Completed	Signs & Stripes	11,822
52-7V34	Los Angeles	26	MonP	Bet. Hitchcock Ave. & New Ave.	------	4/15/52	Completed	Safety Lights	6,208
53-14VC5-F	Los Angeles	26	Pom, Cla	On Ramona Frwy.	0.5	6/ 4/52	2/ 8/54	Widen, A.C., & 7 R.C. Brs.	1,298,990
53-14VC6-F	San Bernardino	26	C, Upl	Bet. Los Angeles Co. Line & Rte. 192	------	6/20/52	12/11/53	5 R.C. UC's., 1 R.C. OC., 1 R.C. Br., & 1 R.C. Sep. Struct.	828,982
53-14VC8-F	San Bernardino	26	Upl, Ont, D	Bet. Euclid Ave. & Archibald Ave.	------	7/11/52	12/ 9/53	8 R.C. Gr. Sep. Structs.	817,242
53-7VC32	Los Angeles	26	L.A, D	Bet. Evergreen Ave. & Helen Dr.	1.5	12/ 1/52	4/26/54	Roadside Development	31,808
53-7VC46	Los Angeles	2, 26, 165, 205	L.A, SPas	Various Locations on Hollywood, Santa Ana, Ramona & Arroyo Seco Frwys.	------	3/19/53	7/30/53	Reconst. Slopes	31,331
53-7VC52	Los Angeles	26	Pom	Garvey Ave. Bet. Holt Ave. & Bellevue Ave.	------	3/31/53	6/12/53	Fence	3,079
54-8VC2-F	San Bernardino	26	C, Upl, Ont, D	Bet. Los Angeles Co. Line & Archibald Ave.	7.2	4/ 1/53	Underway	Gr. & P.C.C. on C.T.S.	*2,465,387
53-7VC58-F	Los Angeles	26	C, Pom, Cla	Bet. San Dimas Ave. & San Bernardino Co. Line	6.3	5/21/53	Underway	Gr., P.C.C. on C.T.S., 4 R.C. Brs. & 3 Ped. R.C. UC's.	*3,588,130
54-7VC9	Los Angeles	26	C, Pom, Cla	Bet. San Dimas Ave. & Alexander Ave.	------	7/23/53	Underway	Lights & Illum. Signs	*168,479
54-8VC15	San Bernardino	26	C, Upl, Ont, D	Bet. Central Ave. & Archibald Ave.	------	10/14/53	Underway	Lighting & Illum. Signs	*67,876
54-14VC15	Los Angeles	26, 2	L.A	At the Ramona Frwy.-Santa Ana Frwy. Interchange	0.4	1/14/54	Underway	R.C. Sep. Struct., Gr. & P.M.S. Additional Connecting Lanes	*465,443
54-8VC19	San Bernardino	26	Rdl, B	Bet. E.C.L. of Redlands & Live Oak Canyon Rd.	2.9	1/18/54	5/ 5/54	Resurf. with P.M.S.	66,549
54-7VC76-F	Los Angeles	26	E, B, WCov	On Ramona Frwy. Bet. Durfee Ave. & 0.5 Mi. E. of Puente Ave.	------	6/30/54	Underway	Gr., P.C.C., P.M.S., Sep. Structs.	*3,338,857
								Total to 6/30/54	$26,051,945

NOTE: * opposite a contract indicates final cost figures not yet available.

ARROYO SECO FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
014XC4	Los Angeles	205	SPas	Bet. Arroyo Seco Channel & Brand Ave.	0.2	3/ 9/38	11/15/38	2 Brs., Subway & Apps.	$124,996
07XC9	Los Angeles	205	SPas	Bet. Arroyo Dr. & Meridian Ave.		6/10/38	8/10/38	Sewer System	7,260
07XMC3	Los Angeles	205	SPas, Pas	Bet. Fair Oaks Ave. in SPas & Glenarm St. in Pasadena	0.8	7/13/38	1/10/39	Gr., P.C.C. & A.C. Pvmt.	126,322
014XC8	Los Angeles	205	L.A	At Ave. 60		7/20/38	3/ 9/39	Extend Br.	65,062
07XC16	Los Angeles	205	L.A, SPas	Bet. Hough St. & Meridian Ave.	0.8	11/ 7/38	8/ 9/39	Gr., P.C.C., A.C. Pvmt. & 2 R.C. Brs.	187,836
07X21	Los Angeles	205	L.A	At Ave. 43 (State's Share of Cost)		11/14/38	Completed	Br., Substruct.	29,409
014XC23	Los Angeles	205	SPas	Near Hough St.		4/ 7/39	1/11/40	R.C. Br.	146,007
07X33	Los Angeles	205	L.A	Bet. Ave. 22 & Ave. 50		4/13/39	8/21/41	Compact Emb.	14,159
07X39	Los Angeles	205	L.A	On Arroyo Seco Parkway (State's Share of Cost)		5/13/39	4/ 9/40	Storm Drains & Br. Substructs.	112,888
014XC25	Los Angeles	205	L.A	At Ave. 43		5/29/39	2/ 5/40	R.C. Br.	51,856
014XC26	Los Angeles	205	L.A	Bet. Ave. 50 & Ave. 58		6/26/39	8/ 1/40	Gr., P.C.C. & A.C. Pvmt. & 4 R.C. Brs.	215,748
27X2	Los Angeles	205	L.A	Bet. Ave. 36 & L.A Riv. (State's Share of Cost)		8/10/39	Completed	Channel Work	100,000
214XC3	Los Angeles	205	L.A	At Ave. 26		9/25/39	4/12/40	Extend R.C. Br.	46,409
27X8	Los Angeles	205	L.A	Near Pasadena Ave. (State's Share of Cost)		9/28/39	2/ 7/40	Retaining Walls	4,725
27XC1	Los Angeles	205	SPas	Grevelia St. Bet. Meridian Ave. & Fairview Ave.	0.1	11/ 6/39	1/11/40	Gr. & P.M.S.	4,067
27X12	Los Angeles	205	L.A	Near A.T. & S.F. Br. N. of Ave. 60 (State's Share of Cost)		11/15/39	11/17/39	Storm Drain	6,000
27X13	Los Angeles	205	L.A	At Marmion Way (State's Share of Cost)		11/15/39	6/ 5/40	Brs.	35,970
27X18	Los Angeles	205	L.A, SPas	Bet. Ave. 58 & Fairview Ave. (State's Share of Cost)		1/10/40	7/ 8/40	Gr. & A.C. & P.C.C. Pvmt.	166,602
214XC5	Los Angeles	205	SPas	Under A.T. & S.F. & U.P. RR Tracks near Fremont Ave.		3/ 4/40	2/ 3/41	2 Gr. Seps. & Apps.	156,558
214XC4	Los Angeles	205	L.A	Near Ave. 35		3/16/40	12/21/40	Gr. Sep. Super-Struct.	131,816
27X26	Los Angeles	205	L.A	Bet. Ave. 40 & Ave. 50 (State's Share of Cost)		3/25/40	6/19/40	Gr., Pave & Strs.	101,931
214XC6	Los Angeles	205	SPas	At Meridian Ave.		4/ 9/40	8/13/40	R.C. Br. & Apps.	23,766
214XC8	Los Angeles	205	L.A	At Ave. 60		4/25/40	8/15/40	R.C. Br. & Apps.	19,791
27X32	Los Angeles	205	L.A, Pas, SPas	Bet. San Fernando Rd. & Glenarm St.	6.1	5/15/40	5/11/42	Landscape	97,628
27X33	Los Angeles	205	L.A	At Cypress Ave. (State's Share of Cost)		5/18/40	5/20/40	Ped. Crossing	1,800
27X27	Los Angeles	205	L.A	Bet. Ave. 35 & Ave. 40 (State's Share of Cost)		6/ 6/40	11/ 1/40	Gr. & P.C.C. & A.C. Pvmt.	101,861
27X35	Los Angeles	205	L.A	Bet. Ave. 35 & Ave. 26 (State's Share of Cost)		6/13/40	11/20/40	Gr., Pave, Strs.	80,875
214XC10	Los Angeles	205	SPas	Under P.E. Ry. & Fair Oaks Ave.		6/13/40	12/27/40	UC.	67,637
27X37	Los Angeles	205	L.A	Bet. Ave. 26 & Ave. 22 (State's Share of Cost)		6/29/40	11/ 1/40	Gr. & P.C.C. & A.C. Pvmt.	80,265
27XC4	Los Angeles	205	SPas	Bet. Grand & Fair Oaks Aves.	0.7	9/ 4/40	1/15/41	Gr. & P.C.C. & A.C. Pvmt.	85,788
214XC16	Los Angeles	165	L.A	Over N. Figueroa St. at Park Row		4/ 8/41	11/10/41	R.C. Br.	33,042
214XC18	Los Angeles	165	L.A	Over N. Figueroa St. at Castelar St.		4/28/41	5/29/42	Stl. Br.	63,661
214XC20	Los Angeles	165	L.A	At N. Figueroa St. & Bishops Rd.		7/ 7/41	4/28/42	2 Gr. Seps	54,872

47X4	Los Angeles	165	L.A	Bet. Adobe St. & Ave. 22 on N. Figueroa	------	7/19/41	12/31/42	Gr. & Pave	662,513
414XC3	Los Angeles	165	L.A	Across Amador St. & Solano Ave.	------	7/29/41	6/ 8/42	2 R.C. Brs.	60,765
414XC2	Los Angeles	165	L.A	Across L.A Riv. & S.P. RR. at Figueroa St.	------	9/15/41	9/ 2/43	Br., Stl. Super-Struct.	266,038
414XC10	Los Angeles	165	L.A	Over L.A Riv. & S.P. RR. & L.A Rwy. at Figueroa St.	------	3/ 9/43	6/14/45	Portions, R.C. Superstruct.	19,277
14XC2	Los Angeles	165	L.A	Across L.A Riv. & S.P. RR. & L.A Rwy. at Figueroa St.	------	7/23/43	3/24/44	Br. & Apps. (Por.)	153,781
7XC5	Los Angeles	165	L.A	On Figueroa St. Bet. Adobe St. & Riverside Dr.	------	12/29/43	5/25/44	Misc. Work	37,956
7XC21-F	Los Angeles	165	L.A	Bet. College St. & Bernard St.	0.3	8/17/46	4/22/47	Gr. & P.C.C.	311,282
14XC19-F	Los Angeles	165	L.A	At Sunset Blvd.	------	1/28/47	5/14/48	R.C. OC.	521,741
7XC30-F	Los Angeles	165	L.A	Bet. College St. & Bernard St.	0.3	3/27/47	7/28/47	Landscape	20,019
7XMC12	Los Angeles	165	L.A	Bet. Bernard St. & Ave. 22	1.3	7/23/47	3/19/48	Gr., P.M.S. & P.C.C.	281,920
7XMC13	Los Angeles	165	L.A	Bet. Bernard St. & Ave. 22	1.3	9/22/47	6/25/48	Landscape	19,599
14VC55-F	Los Angeles	165	L.A	At Alpine St.	------	5/14/48	12/21/48	R.C. OC.	115,738
7V132	Los Angeles	205	L.A	On Arroyo Seco Parkway	------	7/26/48	12/28/49	Safety Devices	43,546
0-7VC100	Los Angeles	205	L.A, SPas	On Arroyo Seco Parkway	3.2	1/ 7/49	3/30/49	Chain Link Fence	26,120
0-7VC102	Los Angeles	165	L.A	Bet. Bartlett St. & Figueroa Ter.	0.2	1/12/49	8/19/49	Gr. & A.C.	114,543
0-7VC105-P	Los Angeles	205	Pas, SPas	At. Fair Oaks Ave. & State St.	------	1/20/49	3/25/49	Gr. & P.M.S. Off-Ramp	26,952
0-7VC116	Los Angeles	205	SPas	Orange Grove Ave. & Fair Oaks Ave.	------	5/21/49	7/ 6/49	Lights	6,633
7V150	Los Angeles	165, 205	L.A, Pas, L.A, SPas	Bet. Castellar St. & Bridewell Ave. OC.	------	8/23/49	12/21/50	Refuge Areas	55,331
51-7VC27	Los Angeles	165, 205	L.A, SPas, Pas	Bet. College St. & Glenarm St.	------	12/22/50	7/12/51	Signs & Lights	54,347
7V168	Los Angeles	165, 205	L.A, SPas, Pas	Bet. College St. & Glenarm St.	------	1/30/51	Underway	Signals	*6,000
53-7VC19-F	Los Angeles	165	L.A	Bet. Sunset Blvd. & College St.	0.4	8/29/52	11/ 6/53	Gr., P.C.C. & A.C.	587,338
53-7VC22	Los Angeles	165	L.A	Bet. Sunset Blvd. & College St. & in Four-Level Area	------	9/ 5/52	11/19/53	Lights & Illum. Signs	43,033
53-7VC46	Los Angeles	2, 26, 165, 205	L.A, SPas	Various Locations on Hollywood, Santa Ana, Ramona & Arroyo Seco Frwys.	------	3/19/53	7/30/53	Reconst. Slopes	31,330
53-7V26	Los Angeles	165	L.A	Bet. Adobe St. & Sunset Blvd. & Bet. Second St. & Olympic Blvd.	------	4/14/53	Underway	Signs & Stripe	*12,500
54-7VC36	Los Angeles	165	L.A	On Arroyo Seco Frwy. Bet. Sunset Blvd. & Bernard St.	------	11/19/53	Underway	Roadside Development	*42,942
								Total to 6/30/54	$5,964,713

NOTE: * opposite a contract indicates final cost figures not yet available.

EASTSHORE FREEWAY in Berkeley, north of distribution structure

HARBOR FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
14VC47-F	Los Angeles	165	L.A	At Temple St.		10/14/47	12/16/48	R.C. UC.	$381,026
7V137	Los Angeles	165	L.A	Bet. Seventh St. & Wilshire Blvd. (State's Share of Cost)		11/17/48	Completed	Open St. Connection	120,000
1-14VC95	Los Angeles	165	L.A	At First & Second Sts.		11/18/49	1/22/51	2 R.C. UC's.	444,643
1-14VC103-F	Los Angeles	165	L.A	At Third St.		6/10/50	8/16/51	2 R.C. Brs.	372,913
51-14VC4-F	Los Angeles	165	L.A	At Fourth St.		8/24/50	4/ 1/52	R.C. Br.	567,907
51-14VC12-F	Los Angeles	165	L.A	At Fifth St. & Sixth St.		12/ 8/50	3/18/53	5 R.C. OC's & 2 R.C. Ped. UC's	1,073,922
51-14VC17-F	Los Angeles	165	L.A	At Wilshire Blvd.		3/27/51	11/14/52	R.C. Br. & Apps.	395,478
52-7VC10-F	Los Angeles	165	L.A	Bet. Fourth St. & Temple St.	0.6	6/14/51	8/12/52	Gr. & P.C.C.	693,431
52-7VC12-P	Los Angeles	165, 2	L.A	Bet. Temple St. & Third St. & Bet. Grand Ave. & Los Angeles St.		6/28/51	7/22/52	Lights & Signs	120,310
52-7V13	Los Angeles	165	L.A	Bet. Temple St. & Fourth St.		9/24/51	Underway	Signs & Stripes	*7,000
52-14VC8-F	Los Angeles	165	L.A	At Seventh, Eighth, & Ninth Sts.		10/19/51	8/31/53	R.C. OC., 3 R.C. UC's. & 2 R.C. Ramp Seps.	1,239,293
53-14VC4-F	Los Angeles	165, 173	L.A	At Olympic Blvd.	0.1	5/20/52	7/17/53	R.C. Br. & Reconst. City Sts.	361,694
53-14VC7-F	Los Angeles	165	L.A	At 11th St. & 12th St.		7/ 2/52	6/23/53	2 R.C. UC's., Gr. & A.C. on I.B.M. & C.T.B.	383,756
53-14VC10-F	Los Angeles	165	L.A	At Pico & Venice Blvds.		8/27/52	11/ 2/53	2 R.C. UC's., Gr. & A.C. on U.R.B.	514,581
53-7VC24-F	Los Angeles	165	L.A	Bet. Olympic Blvd. & Second St.	1.1	9/24/52	4/ 5/54	Gr., P.C.C. on C.T.B., 19 Retaining Walls & Ped. R.C. UC.	2,169,221
53-7VC37	Los Angeles	165	L.A	Bet. 11th St. & Second St.		12/15/52	4/ 7/54	Lights & Illum. Signs	131,726
53-7V26	Los Angeles	165	L.A	Bet. Adobe St. & Sunset Blvd. & Bet. Second St. & Olympic Blvd.		4/14/53	Underway	Signs & Stripe	*12,500
53-7VC60-F	Los Angeles	165	L.A	Bet. Flower St. N. Bound On-Ramp & Olympic Blvd.	1.1	6/25/53	Underway	Gr., P.C.C. on C.T.S., A.C. on U.R.B., 10 Retaining Walls, R.C. OC., Ped. R.C. OC. & R.C. UC.	*1,796,402
54-7VC4-F	Los Angeles	165	L.A	On Harbor Frwy. Bet. Jefferson Blvd. & 21st St.		7/ 8/53	3/ 5/54	Sewers, Storm Drains, Br. Abutments, Retaining Walls	347,319
54-7VC31	Los Angeles	165	L.A	On Harbor Frwy. Bet. Flower St. & Olympic Blvd.		10/20/53	Underway	Lighting & Illum. Signs	*80,542
54-7VC64-F	Los Angeles	165	L.A	On Harbor Frwy. Bet. 42d St. & 23d St.	1.4	4/ 1/54	Underway	Gr., Pave with P.C.C. on C.T.S., 11 Retaining Walls, 1 Pumping Plant, 3 R.C. Ped. UC., 10 R.C. UC & OC.	*3,135,123
55-7VC12	Los Angeles	165	L.A	On Harbor Frwy. Bet. Olympic Blvd. & Temple St.		6/16/54	Underway	Roadside Development	*77,176
54-7VC75	Los Angeles	165	L.A	On Harbor Frwy. Bet. Battery St. & 0.2 Mi. N. of Pacific Coast Hwy.		6/30/54	Underway	Gr., P.C.C., Brs.	*3,077,970
								Total to 6/30/54	$17,332,730

NOTE: * opposite a contract indicates final cost figures not yet available.

LOS ANGELES RIVER FREEWAY looking north from Belhart Avenue. A federal aid project.

LOS ANGELES RIVER FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
51-7VC49-F	Los Angeles	167	LBch	Bet. Rte. 60 & 223d St.	2.5	5/31/51	1/12/53	Grade, P.C.C. on C.T.S. over I.B.M., P.M.S. on U.R.B. over I.B.M. & R.C. Grade Sep.	$1,569,247
51-7VC55	Los Angeles	167	LBch	Bet. State St. & 223d St.	------	6/28/51	2/27/53	Illum. Signs & Lights	82,645
52-14VC15	Los Angeles	167	A	Across Del Amo Blvd. & Compton Cr. about 0.2 Mi. W. of Long Beach Co. Line	------	1/15/52	5/ 8/53	R.C. UC. & R.C. Br. & Apps.	571,795
52-14VC18-F	Los Angeles	167, 175	LBch	At Artesia St.	0.3	4/18/52	6/ 4/53	R.C. OC. & Apps.	410,657
52-14VC20-F	Los Angeles	167	A	Bet. 0.2 Mi. S. of Dominguez St. & Del Amo Blvd.	0.7	5/26/52	Underway	Gr., P.C.C. on C.T.S. & 2 Stl. UP's.	*1,428,978
53-7VC30	Los Angeles	167	LBch, A, Com	Bet. 223d St. & S. Jct. of Atlantic Ave.	3.8	11/21/52	Underway	Grade, P.C.C. on C.T.S., 5 R.C. UC's., & R.C. Ret. Wall	*2,881,167
53-7VC39	Los Angeles	167	A, LBch, Com	Bet. 223d St. & Atlantic Ave.	------	12/31/52	Underway	Lights & Illum. Signs	*117,664
53-7VC44	Los Angeles	167	LBch	Bet. Rte. 60 & 223d St.	2.5	2/ 6/53	7/ 3/53	Roadside Development	23,898
53-7V27	Los Angeles	167	A, Lyn	At Pacific Electric Crossing	------	4/27/53	Underway	UP	*191,331
53-14VC21-F	Los Angeles	167	B	Across U.P. RR. Tracks Bet. Leonis St. & Dunham St.	------	6/26/53	Underway	Stl. & R.C. OH. & Apps.	*1,229,435
54-14VC4-F	Los Angeles	167	B, Ver	On Long Beach Frwy. Bet. E. 26th St. & Washington Blvd.	------	7/ 8/53	Underway	Stl. & R.C. OH Crossings	*1,174,577
54-7RVC1	Los Angeles	167	B	Eastern Ave. at Cheli Air Force Base	0.4	3/24/54	Underway	R.C. UC., Gr., A.C.	*124,897
54-14VC20-F	Los Angeles	167	B, C	On Los Angeles Riv. Frwy. bet. Sheila St. & Verona St.	1.0	6/22/54	Underway	Gr., P.C.C. & P.M.S. on C.T.B. & U.R.B.	*2,447,821
54-14VC22	Los Angeles	167	SGt	Across Los Angeles Riv.	------	6/30/54	Underway	Stl. Br. Superstructure	*687,879
----------	Los Angeles	167, 174	A, B	Various Locations	------	----------	----------	Signals & Lights under Various Contracts	*44,000
								Total to 6/30/54	$12,984,352

NOTE: * opposite a contract indicates final cost figures not yet available.

NEW COLORADO FREEWAY BRIDGE across Arroyo Seco at Pasadena. Old Colorado Street Bridge on right.

COLORADO FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
51-14VC16	Los Angeles	161	Pas	Bet. San Rafael Ave. & Orange Grove Ave.	0.7	3/16/51	6/25/54	3 R.C. Brs. & Apps. & Alter R.C. Br.	$3,719,610
52-7V16	Los Angeles	161	Pas	On Colorado St. Br.		12/ 5/51	Completed	Stripe & Signals	7,860
53-14VC3	Los Angeles	161	Pas	Bet. Orange Grove Ave. & Holly St.	0.3	5/ 5/52	3/ 9/53	Gr., P.M.S. & R.C. OC.	259,869
53-7VC15	Los Angeles	161	Pas	Bet. Ave. 64 & San Rafael Ave.	0.5	8/ 8/52	7/ 6/54	Gr., P.C.C., P.M.S., 2 R.C. UC's., R.C. OC. & Ped. R.C. UC.	1,001,035
53-7VC17	Los Angeles	161	Pas	Bet. Ave. 64 & Holly St.		8/14/52	7/19/54	Lights & Signs	85,779
54-7VC22	Los Angeles	161	Pas	Bet. the Orange Grove Ave. On-Ramp & Holly St.		8/24/53	6/29/54	Roadside Development	17,811
54-7VC69	Los Angeles	161	L.A, Pas	In Cities of Los Angeles & Pasadena on Colorado Blvd. & Colorado Frwy., bet. Eagle Vista Dr. & Ave. 64	1.0	5/14/54	Underway	Gr., A.C. & P.C.C. 3 R.C. Brs.	*906,235
	Los Angeles	161	Pas	Various Locations				Signals & Lights Under Various Contracts	*17,300
								Total to 6/30/54	$4,995,000

NOTE: * opposite a contract indicates final cost figures not yet available.

OCEANSIDE FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
51-11VC11-F	San Diego	2	Ocn	Bet. 0.25 Mi. S. of Mission Ave. & San Luis Rey Riv.	1.0	3/23/51	5/26/52	Gr., P.C.C. on C.T.S., Gr. & P.M.S. on Frontage Rds. & 3 R.C. Seps.	$1,085,875
51-14VC23-F	San Diego	2	Ocn, C	Bet. 0.1 Mi. S. of San Luis Rey Riv. & Camp Pendleton Main Entrance	0.5	6/18/51	9/11/53	Widen Stl. Truss Br. & Apps. with P.M.S. on P.C.C. Base	1,061,312
51-11VC13-F	San Diego	2	B	Bet. 0.7 Mi. S. of San Marcos Cr. & 2.2 Mi. S. of Carlsbad	3.2	6/28/51	6/30/52	Gr., P.C.C. on C.T.S., P.M.S., Sl. Ct. & R.C. Brs. & 1 R.C. Culv.	733,567
52-11VC10	San Diego	2	B, Ocn	Bet. Buena Vista Lagoon & 0.25 Mi. S. of Mission Ave.	2.1	9/25/51	8/12/53	Grade, P.C.C. & 6 R.C. Structs., 3 OC's., OH., Br. & Gr. Sep.	1,785,298
53-11VC1-F	San Diego	2	B	Bet. 2.2 Mi. S. of Carlsbad & Buena Vista Cr.	4.4	4/23/52	11/30/53	Grade, P.C.C. on C.T.S., P.M.S. on Frontage Rds., Ramps, & Intrs. Sts. & Rds., Sl. Ct. & 10 R.C. Structs., 4 OC's., 2UC's., 2 Brs., OH., & Ped. UC.	2,551,488
53-11VC12	San Diego	2	Cbd, Ocn	Bet. Buena Vista Cr. & Monterey Dr.	------	10/30/52	8/14/53	Lights	52,176
53-11V14	San Diego	2	Ocn, Cbd	Bet. Buena Vista Lagoon & San Luis Rey Riv.	3.1	12/10/52	Underway	Signs & Stripe	*6,000
53-11VC18	San Diego	2	Ocn	Bet. 0.25 Mi. S. of Mission Ave. & San Luis Rey Riv.	1.0	3/30/53	10/16/53	Roadside Development	30,097
54-11VC10	San Diego	2	Cbd	City of Carlsbad, Bet. S.C.L. & Buena Vista Cr.	------	9/25/53	2/23/54	Lights	31,722
54-11VC17	San Diego	2	Ocn	City of Oceanside Bet. Hill St. & Capistrano Dr.	------	11/30/53	4/ 5/54	Lighting & Channelization	18,637
								Total to 6/30/54	$7,124,763

NOTE: * opposite a contract indicates final cost figures not yet available.

CABRILLO FREEWAY

Contract number	County	Route	Section	Location	Miles	Award date	Completion date	Type of work	Construction cost
11AXC3	San Diego	77	S.D	Bet. Mission Valley Rd. & Linda Vista Housing Project	1.1	2/20/44	3/20/45	Gr., P.C.C. Pave & P.M.S.	$96,772
14AXC1	San Diego	77	S.D	At San Diego Riv. in San Diego		3/22/44	1/26/45	R.C. Br.	163,298
14XC6-F	San Diego	77	S.D	At Date St., Quince St., & Upas St.		12/ 6/45	3/ 7/47	3 R.C. OC's.	175,916
14XC7	San Diego	77	S.D	Across San Diego Riv.		12/13/45	12/11/46	R.C. Br.	193,379
11XC9	San Diego	77	S.D	Bet. A St. & 0.4 Mi. S. of Mission Valley Rd.	2.9	1/11/46	3/13/48	Gr. & P.C.C.	1,506,956
14XC9	San Diego	77	S.D	Over Balboa Pkwy. at Richmond St.		2/20/46	2/25/47	R.C. OC.	70,152
11XC10	San Diego	77	S.D, A	Bet. 0.4 Mi. S. of Mission Valley Rd. & 0.5 Mi. N. of City Limits	4.1	5/15/46	4/ 8/48	Gr. & P.C.C.	1,224,610
14XC15	San Diego	77	S.D	At University Ave.		6/25/46	8/11/47	R.C. OC.	142,466
14XC13	San Diego	77	S.D	At Friar's Rd.		6/26/46	6/12/47	Stl. OC.	63,889
14XC14	San Diego	77	S.D	At Mission Valley Rd.		6/26/46	11/21/47	2 R.C. OC's.	266,433
14XC16	San Diego	77	S.D	Over Balboa Pkwy. at Pascoe St.		8/ 8/46	5/14/47	R.C. OC.	83,390
14XC17-F	San Diego	77	S.D	On Balboa Pkwy. at 6th St.		8/ 8/46	5/22/47	R.C. UC.	120,886
11XC16	San Diego	77	S.D	Bet. A St. & 0.4 Mi. S. of Mission Valley Rd.	2.9	4/21/47	6/ 9/48	Landscape	79,108
11XC19	San Diego	77	S.D	Bet. 11th Ave. & A St.		8/ 1/47	11/28/47	Signals & Lights	10,228
11XC43	San Diego	77	S.D	Bet. A St. & 0.5 Mi. N. of City Limits	7.0	8/28/47	5/24/48	Signs & Stripe	8,471
1-11VC47	San Diego	77	S.D	Bet. A St. & Friar's Rd.		8/ 5/49	4/18/50	Lights	84,626
53-11VC13	San Diego	77	S.D	At Friar's Rd. & Near Mission Valley Interchange		11/24/52	2/25/53	Drainage Facilities	21,060
								Total to 6/30/54	$5,248,519

NOTE: * opposite a contract indicates final cost figures not yet available.

EASTSHORE FREEWAY at Llewelling Boulevard Interchange in Alameda County
A federal aid project.

FEDERAL AID

At the start of the fiscal year, construction was in progress on 69 contracts with a total cost of approximately $95,349,000, financed with federal aid primary, urban and interstate funds in the amount of approximately $47,702,000.

Forty-six contracts involving approximately $11,905,000 of urban federal funds, $12,898,000 of primary funds and $175,000 of interstate funds were completed between July 1, 1953, and June 30, 1954. These amounts combined with the required state matching funds bring the total cost of these projects to approximately $51,460,000.

During the year, 32 contracts were awarded with a total cost of approximately $56,034,000 involving urban, primary and interstate federal aid funds totaling approximately $24,410,000.

Forty-seven percent of this latter amount, or approximately $11,541,000, was utilized on 16 contracts for improvements on the national system of interstate highways.

On December 23, 1953, California received its second apportionment of federal funds authorized by the Federal Aid Highway Act of 1952.

The amounts for the four classes of federal aid projects apportioned to California for the fiscal year ending June 30, 1955, are as follows:

Primary federal aid projects	$11,302,419
Urban highway projects	11,990,492
Interstate highway projects	1,156,953
Secondary federal aid projects	5,819,399
Total	$30,269,263

Programs providing for obligation of the primary, urban and interstate funds listed above were submitted to and approved by the Bureau of Public Roads early in 1954. The disposition of the funds provided for secondary federal aid projects is discussed under "Federal Aid Secondary Roads."

In addition to three planning survey projects the programs for the three types of funds included provisions for 28 separate construction contracts. The majority of these projects were placed under construction early in 1954 and at the close of the fiscal year only three contracts and less than $1,715,000 of the approximately $24,450,000 of federal funds involved remained unadvertised. Each of the remaining projects is scheduled for advertising before October, 1954.

Federal Act of 1954

The Federal Aid Highway Act of 1954 became effective upon approval by President Eisenhower on May 6, 1954. This legislation authorized federal appropriations of $875,000,000 for each of the fiscal years ending June 30, 1956 and 1957, to assist the further improvement of federal aid primary, secondary, urban and interstate routes throughout the United States.

EXPRESSWAY CONSTRUCTION on US 101 in San Luis Obispo County. A federal aid project.

SALINAS BYPASS looking south from Sherwood Avenue. A federal aid project.

The amount of federal funds authorized by the 1954 act exceeds by $300,000,000 that provided by the 1952 act; an increase of approximately 52 percent.

Apportionment of funds to the states for the fiscal year ending June 30, 1956, was made on June 21, 1954. The same formulas for apportionment as were provided by prior acts apply to primary, secondary and urban funds, but one-half of the total of interstate funds was apportioned solely on a population basis and the basic federal participating rate on projects financed with interstate funds has been increased to 60 percent.

The apportionment to California from each of the annual authorizations is as follows:

For projects on the federal aid primary system	$14,495,550
For projects on the federal aid primary system in urban areas and projects on approved extensions of the federal aid secondary system in urban areas	15,378,016
For projects on the national system of interstate highways	9,770,990
For projects on the federal aid secondary system	7,463,481
Total	$47,108,037

After deduction of 87½ percent of the secondary fund apportionment for allocation to the counties for use on county roads in the secondary federal aid system, the remaining total of $40,577,491 will be available for improvements on the State Highway System. In combination with the required matching funds in the ratio of 33.27 state to 66.73 federal for interstate funds and 41.59 state to 58.41 federal for other type funds, this sum will engender improvements on the State's major highways during the fiscal year ending June 30, 1956, with a total value of approximately $67,385,000.

It is anticipated that programs of projects to utilize these funds will be submitted to the Bureau of Public Roads in the summer of 1954.

The share of secondary funds to be allocated to the counties as provided by state law in the amount of $6,530,546 together with matching funds provided by the State and the counties will finance improvements amounting to approximately $11,180,000 on county roads included in the secondary federal aid system.

APPORTIONMENT OF FEDERAL FUNDS TO CALIFORNIA

Fiscal year ending	Primary federal aid	Urban federal aid	Interstate federal aid	Emergency advance fund	Emergency Relief and Construction Fund	Public Works Highway Fund	Works Program Fund	
							Highways	Grade crossing
June 30, 1917	$151,063.92							
June 30, 1918	302,127.84							
June 30, 1919	1,980,415.53							
June 30, 1920	2,896,071.77							
June 30, 1921	3,054,675.51							
June 30, 1922	2,462,098.53							
June 30, 1923	1,641,399.02							
June 30, 1924	2,140,463.10							
June 30, 1925	2,487,157.78							
June 30, 1926	2,472,636.00							
June 30, 1927	2,484,706.00							
June 30, 1928	2,483,437.00							
June 30, 1929	2,486,415.00							
June 30, 1930	2,495,345.00							
June 30, 1931	4,179,831.00							
August 31, 1931				$3,008,827.35				
June 30, 1932	4,181,212.00							
June 30, 1933	4,140,910.53				$4,667,188.00			
Available on and after July 1, 1933						$15,607,354.00		
June 30, 1934								
June 30, 1935						7,932,206 00		
June 30, 1936	4,756,959 00							
June 30, 1937	4,751,712 00						$7,747,928.00	$7,486,362.00
Floods of 1937 and 1938								
June 30, 1938	4,858,220.00							
June 30, 1939	4,735,268.00							
Floods of 1940								
June 30, 1940	3,814,812.00							
June 30, 1941	4,382,966.00							
Available on and after Nov. 19,1941								
Available on and after Dec. 1, 1941								
June 30, 1942	3,982,125.00							
June 30, 1943	3,989,896.00							

Postwar period								
June 30, 1946	9,018,749.00	$8,122,233.00						
June 30, 1947	9,017,519.00	8,122,233.00						
June 30, 1948	8,897,891.00	8,018,102.00						
June 30, 1950	8,025,813.00	7,216,292.00						
Floods of 1950								
June 30, 1951	8,037,278.00	7,216,292.00						
June 30, 1952	10,244,021.00	10,845,211.00						
Floods of 1953								
June 30, 1953	10,160,691.00	10,761,356.00						
June 30, 1954	11,273,990.00	11,929,002.00	$1,154,002.00					
June 30, 1955	11,302,419.00	11,990,492.00	1,156,953.00					
Totals	$163,290,294.53	$84,221,213.00	$2,310,955.00	$3,008,827.35	$4,667,188.00	$23,539,560.00	$7,747,928.00	$7,486,362.00

APPORTIONMENT OF FEDERAL FUNDS TO CALIFORNIA—Continued

Fiscal year ending	Secondary federal aid	Federal aid grade crossing fund	Emergency Relief Highway Fund	Strategic Network Fund	Advance Engineering Fund	Federal lands funds under state supervision	Access Road Fund	Flight Strip Fund
June 30, 1917								
June 30, 1918								
June 30, 1919								
June 30, 1920								
June 30, 1921								
June 30, 1922								
June 30, 1923								
June 30, 1924								
June 30, 1925								
June 30, 1926								
June 30, 1927								
June 30, 1928								
June 30, 1929								
June 30, 1930								
June 30, 1931								
August 31, 1931								
June 30, 1932								
June 30, 1933						$6,841.99		
Available on and after July 1, 1933								
June 30, 1934						272,369.71		
June 30, 1935						232,478.97		
June 30, 1936						151,587.59		
June 30, 1937								
Floods of 1937 and 1938			$1,644,269.37					
June 30, 1938	$971,644.00	$1,874,656.00				36,698.89		
June 30, 1939	947,054.00	1,825,553.00				191,493.67		
Floods of 1940			315,220.63					
June 30, 1940	571,229.00	735,256.00				88,940 66		
June 30, 1941	571,992.00	1,114,363.00				95,238.00		
Available on and after Nov. 19, 1941				$1,416,133.00			*$34,536,602.82	$2,245,325.45
Available on and after Dec. 1, 1941				997,474.00	$398,990.00			
June 30, 1942	696,872.00	799,099.00				85,000.46		
June 30, 1943	698,232.00	798,434.00						

Postwar period							1,269,326.14	
June 30, 1946	5,162,254.00							
June 30, 1947	5,161,445.00							
June 30, 1948	5,092,619.00							
June 30, 1950	4,595,138.00							
Floods of 1950			1,000,000.00					
June 30, 1951	4,602,788.00							
June 30, 1952	5,276,855.00					325,000.00		
Floods of 1953			336,800.00					
June 30, 1953	5,233,338.00							
June 30, 1954	5,808,764.00							
June 30, 1955	5,819,399.00							
Totals	$51,209,623.00	$7,147,361.00	$3,296,290.00	$2,413,607.00	$398,990.00	$1,485,649.94	$35,805,928.96	$2,245,325.45

Grand total $400,275,103.23

* Includes $182,158.65 of Federal Housing Authority Funds.

NOTE: For actual cash reimbursements made by the Federal Government to the State of California for expenditures incurred by the State refer to Appendix Table on page 231.

A MAJOR COUNTY ACCOMPLISHMENT under the federal aid secondary highway program. Old bridge (above) and new bridge (below) across Santa Clara River at Santa Paula on FAS Route 876 in Ventura County.

COUNTY AND COUNTY COOPERATIVE PROJECTS

This report covers the ninth year since the beginning of the federal aid secondary program, which was initiated by the Federal-Aid Highway Act of 1944. The original act has been amended several times, the general trend of the law being towards establishment of a permanent program, increasing appropriations and gradual liberalization and easing of restrictions.

The latest federal legislation affecting highways is the Federal-Aid Highway Act of 1954, which was signed by the President on May 6, 1954. The effective date of the first apportionment of funds under this act was July 1, 1954, at which time federal aid secondary funds in the amount of $7,463,481 were made available to California and $6,530,546 was immediately reapportioned to the counties along with $2,485,676 of state highway matching funds. Both of these sums theoretically are for the fiscal year ending June 30, 1956. However, both the federal and state acts permit obligation of the funds before the beginning of the fiscal year.

Although the total of the new federal funds apportioned to California were approximately 52 percent higher than the previous year, the increase in the FAS apportionment was approximately 28 percent higher. Because the period covered by this report terminated on the day before the 1954 act apportionment became effective, the tabulations shown herein do not include those funds.

State laws, beginning with the County Highway Aid Act of 1945, have kept pace with the federal laws in arriving at a workable system. As noted in last year's report, the lack of state aid to the counties for the specific purpose of helping to match the federal funds resulted in some relinquishment of funds. State funds were provided to match the federal aid secondary funds reapportioned under the 1944 federal act, but not for those funds provided under the federal acts of 1948 and 1950. It was believed that after establishment of the program the counties could carry on by themselves. Many counties, however, found themselves unable to match all the federal funds provided under these two acts, and some counties were forced to drop out of the program entirely.

State aid, on a permanent and continuing basis, was reinstated by the Legislature in 1953 under Chapter 1871, which amended the Secondary Highways Act of 1951. With the 1948 and 1950 act federal funds now practically all expended or obligated, and with most of the 1952 act funds programmed to projects being prepared for construction, the results of state aid to the counties insofar as it has affected participation in the program may be inventoried. Comparative percentages of relinquishment of federal funds by the counties is tabulated below:

1944 act funds, with state aid	2.5% relinquished
1948 and 1950 act, without state aid	14.1% relinquished
1952 act funds, with state aid	3.1% relinquished

The following table shows all federal aid secondary funds apportioned to the State prior to June 30, 1954, the divisions of such funds between the State and the counties and the status of the funds as of

the end of the fiscal year. California law requires that at least 87½ percent of each federal apportionment be reapportioned to the counties, applying the same formula for the reapportionment as used by the Federal Government in apportioning to the 48 states. Of the State's 12½ percent share, 1½ percent is regularly used in financing the Statewide Highway Planning Survey. The balance of 11 percent, together with such sums as may be relinquished by the counties is used in financing projects on state highways lying on approved FAS routes.

DISPOSITION OF FAS FUNDS RECEIVED BY CALIFORNIA UNDER EACH FEDERAL-AID HIGHWAY ACT

	Reapportioned to counties	*Retained by State*	*Totals*
1944 act, 1945-1948 Fiscal Years	$13,489,279.00	$1,927,039.00	$15,416,318.00
1948 act, 1949-1951 Fiscal Years	8,048,185.00	1,149,741.00	9,197,926.00
1950 act, 1951-1953 Fiscal Years	9,196,419.00	1,313,774.00	10,510,193.00
1952 act, 1953-1955 Fiscal Years	10,174,644.00	1,453,519.00	11,628,163.00
Total apportionments received by State to June 30, 1954	$40,908,527.00	$5,844,073.00	$46,752,600.00
Released to State by counties	—3,091,458.18	+3,091,458.18	
Balance retained by counties	$37,817,068.82		
Total available for state use		$8,935,531.18	
FAS FUNDS OBLIGATED AND PROGRAMED			
Projects completed or under way	$30,331,464.27	$8,311,432.18	$38,642,896.45
Contracts pending award, advertised and projects programed	6,539,757.11	514,279.00	7,054,036.11
Balances	$945,847.44	$109,820.00	$1,055,667.44

The above tabulation includes federal aid funds for the fiscal year following the period covered by this report. This is necessary because the funds were received during the fiscal year and were nearly all programed and in many cases actually obligated by contract before the end of the 1953-54 Fiscal Year. Very few of the counties have relinquished any of the funds provided under the 1952 federal act, and it is anticipated that practically all of the balance will be obligated during the coming fiscal year.

During the past fiscal year, 56 new county federal aid secondary contracts were awarded, and 14 others were pending award or advertised for bids. The cost of these projects, including engineering, totals $9,573,100. During the same period, 50 contracts were completed at a cost of $6,381,400.

During the past year there were minor revisions of the federal aid secondary system. As of June 30, 1954, the system as approved by the Commissioner of Public Roads consisted of 9,635 miles. Of that total, 5,861.3 miles are on county roads and 3,773.7 miles are on state highways. The increase in total mileage for the fiscal year was 127.6 miles.

Published herewith is a summary of all county and state highway projects utilizing FAS funds through June 30, 1954, including the highway planning survey and grade crossing protection funds. The average cost of the 167 county bridge projects is $81,774, and the average cost per mile of the 1,379.841 miles of county roads is $32,759.

SUMMARY OF COUNTY AND STATE HIGHWAY PROJECTS UTILIZING POSTWAR FAS FUNDS THROUGH JUNE 30, 1954

	Number of contracts or projects	Number of bridges	Miles of road	Total cost	Federal aid secondary funds	County Highway Aid Act and state highway matching funds	County and other funds
County Projects							
Under contract			99.087	$4,766,526.99	$2,465,198.12	$787,870.00	$1,513,458.87
		9		2,299,376.97	1,180,107.00	255,880.00	863,389.97
	36			$7,065,903.96	$3,645,305.12	$1,043,750.00	$2,376,848.84
Completed			1,280.754	40,435,461.07	19,772,464.98	8,397,987.08	12,265,009.01
		185		13,564,965.22	6,913,694.17	3,017,358.05	3,633,913.00
	372			$54,000,426.29	$26,686,159.15	$11,415,345.13	$15,898,922.01
Totals	408	194	1,379.841	$61,066,330.25	$30,331,464.27	$12,459,095.13	$18,275,770.85
State Projects							
Under contract			67.329	$4,187,729.52	$1,538,360.31	----------	$2,649,369.21
		4		270,991.55	99,165.00	----------	171,826.55
	17			$4,458,721.07	$1,637,525.31	----------	$2,821,195.76
Completed			114.921	$9,597,016.80	$4,048,410.00	$238,826.63	$5,309,780.17
		27		3,365,741.28	1,659,212.87	1,800.00	1,704,728.41
	41			$12,962,758.08	$5,707,622.87	$240,626.63	$7,014,508.58
Totals	58	31	182.250	$17,421,479.15	$7,345,148.18	$240,626.63	$9,835,704.34
Grade Crossing Protection 70 crossings	64			$279,104.39	$265,000.00	----------	$14,104.39
Highway planning survey, state-wide				$1,202,794.00	$701,284.00	----------	$501,510.00
Grand totals	530	225	1562.091	$79,969,707.79	$38,642,896.45	$12,699,721.76	$28,627,089.58

PORTOLA OVERHEAD AND BRIDGE constructed by Plumas County under federal aid secondary highway program. Note old grade crossing and bridge in foreground.

Federal Access Roads

Upon request of the Department of Defense, roads which are vital to its activities may be constructed with funds set aside for the purpose by the Federal-Aid Highway Acts.

Four new access projects were authorized during this fiscal year, and there was continued activity on 12 projects previously authorized. New agreements with the Federal Government, totaling $403,000, were executed during this fiscal year, and as of June 30th an additional $154,000 was programed.

The Office of the Engineer of Federal Secondary Roads has continued to handle all correspondence with the counties regarding access projects, and to negotiate the necessary county-state agreements. Two projects, which had been negotiated to the contract stage by the division in cooperation with the counties, were turned over to the U. S. Bureau of Public Roads for construction by contract.

As of June 30th, six access projects are in various stages of plan preparation.

County Maintained Roads

Beginning in October, 1953, monthly certifications of the mileage of county roads maintained were made to the State Controller, in lieu of the quarterly certifications previously required. This revision of Section 2121 of the Streets and Highways Code, which provides monthly instead of quarterly apportionments, resulted in the counties receiving

TYPICAL COUNTY HIGHWAY improvement under federal aid secondary highway program. Clovis Avenue on FAS Route 814 in Fresno County before construction is shown above. Photo below shows improved grade and surfacing.

TYPICAL COUNTY BRIDGE replacement under federal aid secondary highway program. Cole Slough Bridge on FAS Route 568 in Fresno County before replacement is shown above and the new bridge with adequate width is shown below.

the equivalent of 14 monthly apportionments from the Highway Users Tax Fund during the past fiscal year. There was no change in the requirement that the counties submit their maintained road mileage changes annually in May of each year. These changes are reported to the State Controller on June 30th of each year. All other certifications reflect only the mileage of state highways relinquished to the counties during the preceding month.

The total increase in the mileage of county roads maintained for the fiscal year ending June 30, 1954, was 148.83 miles. During this same period, the county primary road mileage was increased 521.95 miles, mostly by change of status from secondary to primary at the request of various counties. The new maintained mileage total on June 30, 1954, was 68,086.17 miles, and the new primary road total was 20,850.16 miles.

County Road Reinventory

The rural road reinventory, being conducted by the Highway Planning Survey, is reported in more detail elsewhere in this report. The Engineer of Federal Secondary Roads has continued to process county-state agreements for this work, which is partially financed with the 1½ percent of the federal aid funds that are set aside for highway planning purposes. Agreements have been executed with 40 counties, and the mapping is in various stages of completion in all of these counties.

Joint Highway Districts

Under the provisions of the Joint Highway District Act, 27 joint highway districts have been organized within the State.

Section 188 of the Streets and Highways Code stipulates that not more than one-half of 1 percent of funds allocated to state highways in each county group (north and south) may be used for state aid to joint highway districts.

Throughout the 1953-54 Fiscal Year, the State was participating in cooperative projects in three of the joint highway districts. The present status of each of these three districts is as follows:

Joint Highway District No. 9

This joint highway district was organized May 28, 1928, by San Francisco, San Mateo and Santa Cruz Counties, to provide for the improvement of the Ocean Shore Highway between the Cities of San Francisco and Santa Cruz. During the 1931 Session of the Legislature, this route was taken into the State Highway System as State Highway 56, or as it is known to the traveling public, State Sign Route 1.

There is a current cooperative project 1.6 miles in length under way at Laguna Creek, in Santa Cruz County. The project consists of eliminating dangerous blind curvature and provision of adequate width and surfacing as well as a reinforced concrete structure to pass the creek under the highway. The total approximate cost is estimated at $382,000. The project was scheduled for completion soon after the

close of this report period and is the subject of an article in the California Highways and Public Works Magazine for July and August, 1954.

Another cooperative project 4.0 miles in length was gotten under way during the year. This project is known as the Half Moon Bay Bypass and extends from 0.2 mile north of Canada Verde Creek to Frenchman's Creek, all in San Mateo County. The estimated total cost is $597,000, with completion expected in 1955.

State funds in the amount of $2,414,000.09 have been expended for completed projects within this district to date, exclusive of rights of way and preliminary engineering. During recent years, the joint highway district has been contributing 50 percent of the actual construction and construction engineering costs. The State, in addition to half the construction costs, has been bearing the entire cost of rights of way and preliminary engineering.

Joint Highway District No. 10

This joint highway district was organized September 15, 1928, by San Francisco and San Mateo Counties. The district handles all planning, construction, and maintenance of Junipero Serra Boulevard Extension, between San Francisco and Millbrae Avenue in the City of Millbrae. Except for about 0.3 mile of State Route 56 at the north end, no state highways were included in this district.

The State has been contributing one-third of the construction cost, exclusive of preliminary engineering to assist in financing the improvement.

The project was divided into six units and the road is constructed on five of these units, leaving only the section between Crystal Springs Road and Millbrae Avenue unopened. In addition to the five units built, two contracts for reinforcing the surfacing of portions of the first units have been completed, and other surfacing reinforcement projects are under consideration.

The joint highway district, having completed all construction on the northerly 1.67 miles has taken the necessary steps to relinquish control of that portion of the project. This stretch of 1.67 miles has therefore reverted to the jurisdiction of the State, Daly City and San Mateo County, each being responsible for a certain portion of the completed work.

Total contributions by the State to date amount to $591,527.32.

Joint Highway District No. 26

This district was organized September 26, 1938, by Alameda and Contra Costa Counties. The major part of the project is in the City of Oakland, on Mountain Boulevard, which was designated by the Legislature as State Route 227 in 1947.

The joint highway district has completed approximately 1.5 miles of the route and the State has accepted it for maintenance as a state

highway. This completed portion extends south from the junction with State Route 75, near Lake Temescal, to the vicinity of Bruns Drive.

The joint highway district has also been engaged in acquiring and clearing rights of way and in minor construction preparatory to major contracts for extending the freeway the next three miles to Carson Street.

This joint highway district has now been terminated, its dissolution to take effect as of July 1, 1954, when the State will assume responsibility for future construction. The City of Oakland and Alameda County have entered into an agreement with the State whereby the city and county will each contribute $150,000 per year toward construction of the former joint highway district project.

The State contributed a total of $1,975,000 toward financing 50 percent of the construction costs to date, which included preliminary engineering and rights of way. State contributions were at the rate of $300,000 per year.

CITY AND CITY COOPERATIVE PROJECTS

The annual report of the City and City Cooperative Projects section during the fiscal year ending June 30, 1954, may be briefly summarized as follows:

$23,458,285 apportioned to 315 incorporated cities;
$1,047,677 or 4.7 percent increase over preceding year;
3 cities newly incorporated;
75 cities had special censuses;
575 annexations in 152 cities;
349,515 population gain by special censuses;
79,785 population gain by annexations;
502,833 total population gain;
6.5 percent population gain over preceding year;
478 projects approved for construction;
261 miles of streets constructed and improved.

The principal duties of the Department of City and City Cooperative Projects are the allocation, payment and administration of gas tax funds for expenditure on city streets not a part of the State Highway System. In view of the fact that the apportionment of these funds to incorporated areas is based upon population, one of the important duties is to keep population figures for each city up to date at all times. The law provides that the population of inhabited territories newly annexed or new incorporations is to be determined by multiplying the number of registered electors residing therein on the effective date by three. The population of annexed uninhabited territory is determined two years after annexation proceedings by multiplying by three the number of registered electors therein at the later date.

A large number of cities took advantage in the past year of the law which provides that a city may apply at any time to the U. S. Bureau of the Census for a special census. During the year, 75 cities had a special census taken by the Bureau, showing an increase in population of 349,515. Three new cities were incorporated during the year: Del Rey Oaks in Monterey County, Milpitas in Santa Clara County, and Lakewood in Los Angeles County. There was a total of 575 annexations in 152 cities during the year. The increase in population due to annexations was 79,785.

The total population in incorporated areas on June 30, 1954, was 8,214,947 as compared to 7,712,114 on June 30, 1953 showing an increase during the fiscal year of 502,833. This latter figure takes into consideration the 73,659 people in the three newly incorporated cities, as well as the reduction of 126 for the City of Hornitos in Mariposa County.

Section 194.5 of the Streets and Highways Code was added by the 1953 Legislature. This section of the law provides that allocations and expenditures shall not be made within any incorporated city which has not held an election of municipal officers within a period of 10 years preceding the date of such allocation. It also provides that

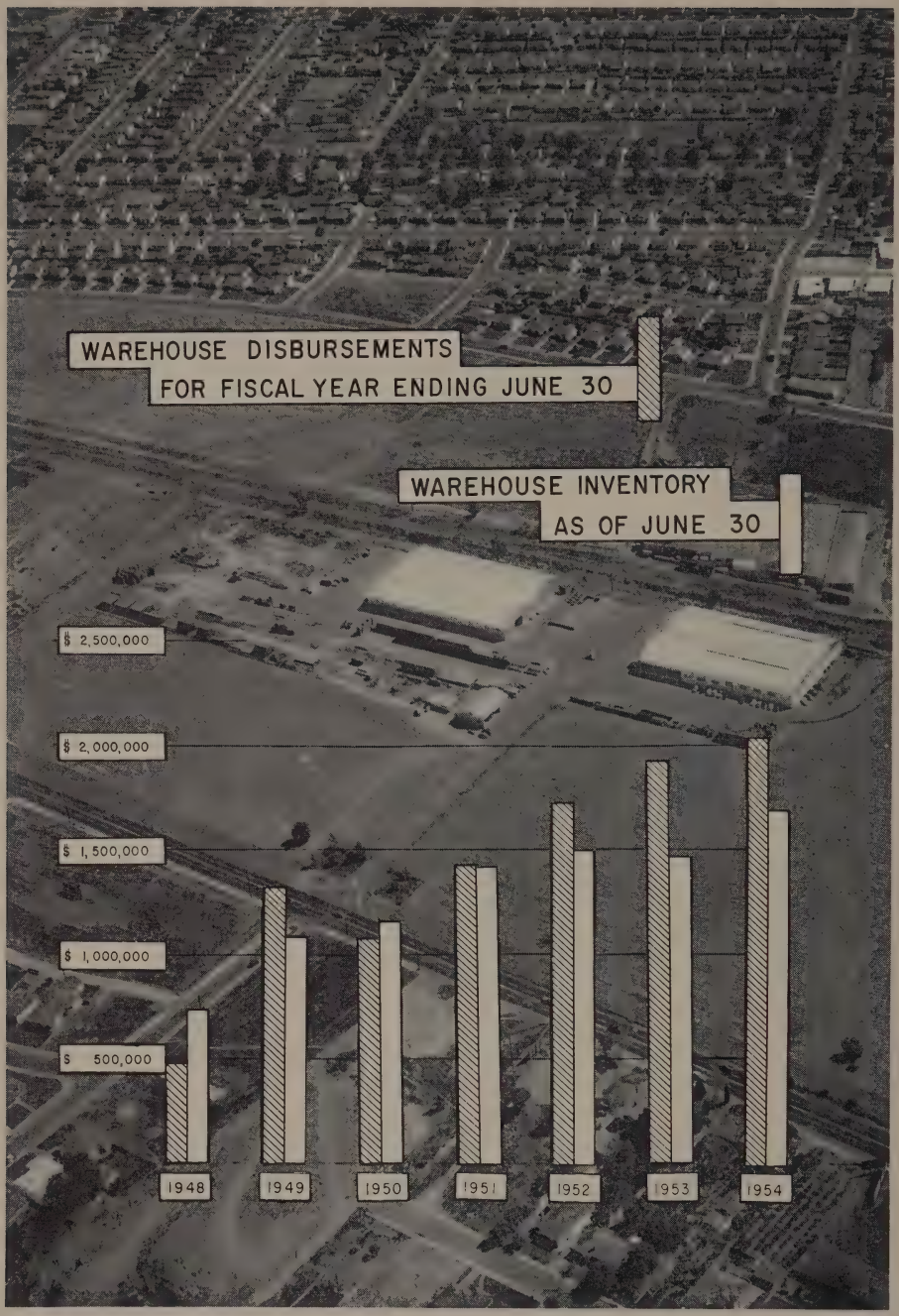
allocations heretofore accumulated for expenditure within such cities shall be reallocated and expended within all other cities. The City of Hornitos was the only one affected by this legislation and under the law the funds which had previously accumulated were redistributed to other cities in the State in the October, 1953, apportionment. These funds amounted to $3,561.70.

An amount of $23,458,284.89 was apportioned among the 315 incorporated cities for expenditure on city streets, and plans and specifications for the construction or improvement of major city streets were approved by the department for 478 projects involving a length of 261 miles. These projects consisted of all types of improvement varying from resurfacing projects to modern freeway construction and major bridge structures.

In addition to the annual apportionment there was an unexpended and unbudgeted amount of $8,560,269.17 at the beginning of the fiscal year, making a total available of $32,018,554.06. The unexpended and unbudgeted amount represents a portion of the previous fiscal year allocation which was not programmed, together with savings on completed projects.

The total amount programed during the year for expenditure amounted to $27,046,344.74, leaving an unallocated and unexpended amount of $4,972,209.32 to be carried over to the following fiscal year ending June 30, 1955. There are also savings of $1,901,446.65 on completed projects to be carried into the following fiscal year, making a total of $6,873,655.97. Breaking down the programmed figure into the various categories shows an amount of $20,255,037.59 for surveys and plans, rights of way, and construction; and $6,791,307.15 for maintenance.

The Collier-Burns Act of 1947 repealed the allocation of ¼ cent gas tax funds for expenditure on state highways within cities. The act provided that any funds allocated or accumulated prior to the effective date of repeal should be expended for the purposes for which they were allocated or accumulated. There was an unexpended balance amounting to $473,394.30 on June 30, 1954. The entire amount of this fund has been expended for all cities except the Cities of Berkeley, San Francisco, Santa Clara, San Carlos, San Jose, Los Angeles, Signal Hill, and Vernon.



COMPARISON OF WAREHOUSE disbursements and inventories. Sacramento warehouse and yard in background.

SERVICE AND SUPPLY

The Service and Supply Department has two primary functions, namely "Service" and "Supply." These functions are carried out in accordance with the policies determined by the eight-man Service and Supply Board and under the direction of the Assistant State Highway Engineer, Administration, as described in the Seventh Annual Report, dated January, 1954.

The "Service" function is necessary to handle the many phases of highway engineering which are not the responsibility of planning, design, construction, maintenance, or any other operating department of the Division of Highways. The services rendered include records management, microfilming, reproduction, photography, property management, salvage and utilization of materials and equipment, disposition of obsolete materials and equipment, loaning of steel piling and drainage pipe to contractors, and many others of minor nature but of great nuisance to other operating departments if not done for them by the Service and Supply Department.

The "Supply" function is responsible for the procurement of all materials, supplies, and equipment (except automotive and heavy construction equipment) for the Division of Highways. The various phases of the "Supply" function are: analysis of need and use, preparation of commodity specifications, ascertaining sources of supply, conducting all relationships with the Purchasing Division of the Department of Finance, expediting delivery, inspecting and testing, standardization of supplies and equipment, investigation of new products and processes, warehousing and distributing supplies from central supply centers, and controlling the acquisition and use of materials stockpiled throughout the State.

Records Management

The Service and Supply Department has undertaken in the past year a study of the problem of records usage and storage. The study is a continuation of past efforts to cope with the increasing volume of records being originated and ultimately being stored.

Due to the vast expansion of the Division of Highways since its inception in 1912, the volume of records both being produced and in storage has reached a serious level. Decentralization of the Division of Highways to its present extent has brought with it a vast duplication of paper which is accumulating at an ever accelerating rate.

The records storage facilities installed in the new Sacramento warehouse last year have been completely utilized and immediate expansion of those facilities is imperative. Space for the expansion of facilities is available and will be utilized in the near future, such utilization will relieve the congestion in Headquarters Office files and will obviate the necessity of procuring more filing equipment.

The study to date has indicated the need for revision of the existing file classification index, expanding it to meet the needs of the increasingly greater complexity of the division's operations. The present

system was adequate when devised some 20 years past, but has proven to be inadequate at the present time.

Preliminary consultations have been been held with both commercial and quasi-public agencies specializing in records management and a program is being developed to fit the particular requirements of the Division of Highways.

The several districts likewise are confronted with a problem of records accumulation and have requested assistance from Headquarters in handling their phase of the problem. It has been possible to obtain authority to dispose of many tons of useless, obsolete records in several of the districts to date. Further investigation and analysis of the problem both in the district and Headquarters will unquestionably result in further disposition of such material. Ultimately a records retention program will be developed which will prevent accumulation of unnecessary records by providing for their destruction automatically at proper predetermined intervals without unnecessary consultation with other state agencies and other red tape.

Microfilming

Microfilming of vital records for purposes of insurance and facility of usage is contemplated and is expected to be initiated in the current year. Copies of films will be stored at a location remote from Headquarters to provide safety of such records in the event of some disaster which might result in the destruction of the original records.

Filming also is contemplated of certain ordinary records, in more or less constant use as references in some sections, to reduce the volume of space required to store the original references. Examination of such records by the use of viewers is satisfactory and does not require extensive space.

Approximately 28,000 sheets of bridge plans have been filmed during the year on 24 rolls of 35mm film, generally at a reduction of 30 diameters.

The plans filmed constitute the only existing record of the individual structures and have been filmed both for reference use and for purposes of security should the original sheets be damaged or destroyed.

Filming of tracings now in vault storage will be performed as rapidly as such tracings may be adequately indexed. It is planned to commence such filming with the oldest plans and progress to the newer ones in order that the original tracings may be removed from the present vaults and be stored in less valuable space with adequate safety.

Microfilming of documents other than plans has not started, pending delivery of necessary camera equipment and the determination of a program to follow, both of which are anticipated in the near future.

Reproduction

The ultimate goal of the division's Reproduction Section is to achieve a complete and highly efficient reproduction service within the organization. Within the past year considerable progress has been made toward this goal.

In order to close the gap between the planning and construction phases of highway development, it is necessary to employ highly specialized personnel and equipment to accomplish mass production of construction plans. These construction plans constitute the largest and most important classification of material that the Reproduction Section is called upon to process. A considerable amount of on-the-job training has given personnel the requisite skill and ability to cope with this task. The introduction of modern machines and methods has enabled the use of this skill and ability to best advantage. While production has always been of first consideration, the Reproduction Section can point with pride to the financial side of this picture. The use of efficient equipment together with the adoption of modern techniques is forcing unit costs lower and lower.

With the advent of the accelerated highway program has come a proportional increase in volume of reproduction work. This volume has during brief periods required "double shifting" and overtime work. With four production machines in operation, our plant has produced over one-half million square feet of construction plans in a single five-day workweek.

Among the new processes and techniques which have been introduced within the last year, perhaps the foremost are those which will allow retirement of the time-honored Vandyke negative from record files. Since the early days of sun-frame printing, the Vandyke negative process has been the accepted method of retaining reproducible record duplicates. Due to the fact that Vandykes are relatively simple and inexpensive to make and present no great problem in storage, many organizations have been loathe to depart from their customary use. With the introduction of new and more versatile equipment, other processes of considerable merit have become practical. Among the section's recently acquired items of new equipment is a continuous blueprinting machine specially equipped to process "Autopositive" materials on a continuous basis. "Autopositive" is akin to photographic paper, having a high inherent contrast range. Reproductions made on it are sharp, clear, positive reproducibles in many cases having a greater apparent contrast range than that possessed by the original drawing. Besides having somewhat better print-back quality than Vandyke negatives, these "Autopositives" lend themselves most readily to acceptable reproduction on diazo equipment which today is the most used type of reproduction machine. From the standpoint of record storage, the "Autopositive" is superior to the Vandyke negative for permanence and quality.

This year has seen considerable research which is leading us to lithographic processing in the plan phase of reproduction. In order to meet the ever-increasing peaks of the highway construction program, it is necessary during the spring months to reproduce plans in staggering quantities over very short periods of time. Meeting deadlines is a problem of increasing intensity and the solution lies in a reduced-size plan program. This program will also result in further monetary saving. It is planned to enter into a full scale program of plan reduction

as soon as physically possible in order that we may meet the coming spring demand. These plans, reduced to approximately one-half their original size, will become available toward the end of 1954 and will be reproduced by the offset duplication process.

In line with the established policy of the Service and Supply Department, the Reproduction Section will keep abreast of new developments and processes, in order to provide the services required by the constantly increasing construction program of the Division of Highways.

Photography

The Photographic Laboratory of the Service and Supply Department performs substantially all of the major photographic work for the Division of Highways throughout the State and is staffed by a supervising photographer, four photographers and a clerk. One of the photographers is permanently assigned to work in the well equipped laboratory while the others carry out the field assignments.

This section accomplishes excellent photographic coverage of highway construction projects, traffic conditions, roadway conditions, and many other types of pictures which are of great assistance to engineers in operating departments.

Aerial photography accomplished during the year consists almost entirely of oblique views of prospective and completed construction projects, many of which graphically demonstrate the effect on surrounding properties due to highway improvements and are of inestimable value in economic acquisition of rights of way.

Most of the illustrations used in this annual report were produced and processed by the photographic laboratory.

Property Management

In addition to the operation and maintenance of the Public Works Building, the Public Works Annex, and warehouses at Sacramento and Los Angeles, the Service and Supply Department is finding an increase in the work of assisting districts in their building operation and maintenance problems. Administrative control is exercised over the maintenance and operation of the district buildings. Costs are analyzed periodically and every effort is made to hold them to a minimum consistent with efficient performance.

Commodity Specifications

The constant analysis of need and use of materials, supplies, and equipment exposes the continuing need for the establishment of standards of quality by the use of commodity specifications.

Specifications are prepared by the Service and Supply engineers on the basis of recommendations of the operating departments, from data submitted from the laboratories of the Materials and Research Department, from data obtained from actual users in the field by the Service and Supply coordinators, from conferences with representatives of the manufacturers concerned, and from research by the Service and

Supply engineers themselves. Specifications of other large government agencies, industries, and technical societies and associations are also sources of valuable data.

Specifications are always prepared in a manner to invite the widest possible competition and to obtain the necessary quality at the lowest possible cost.

As an example of the accomplishments of buying under open specifications, and in quantity, 300 drafting tables were purchased this year at about three-fourths of the usual market price at a saving of over $10,000.

In the Fourth Annual Report (1951) it was mentioned that the adoption of specifications for woven measuring tapes resulted in a 70 percent increase in the life of the tape and a savings of $2,700 per year. Further analysis and research have resulted in improvements which increase the life of the tape still more with resultant increase in saving. In addition it was found that the use of a leather case with each tape was not necessary and now a case is furnished with only one tape in three, an added saving of about $5,000 per year.

Inspecting and Testing

All benefit of carefully prepared specifications is lost unless the commodities furnished under the specifications are thoroughly inspected and tested to see that they comply with all requirements before acceptance.

Every item in our warehouses has been inspected or tested to see that it will meet our standard of quality. Some are inspected at the source before shipping and others are sampled after delivery.

Consistent with the value and nature of the commodities, they are inspected or tested by the Materials and Research Laboratory, Service and Supply engineers, Service and Supply coordinators, or experienced storekeepers. For example, the Materials and Research Laboratory tests steel piling, laboratory devices, glass beads for traffic stripe, paint, etc.; the Service and Supply engineers inspect transits, levels, calculating machines, drafting room furniture, etc.; the coordinators inspect structural timber, survey stakes, etc.; and the storekeepers inspect small tools, tool handles, stationery items, etc.

Standardization

The State Purchases Standards Committee was formed in June of 1952 to formulate the over-all policy regarding the standardization and specification of commodities purchased by the State in large quantities. The Service and Supply Engineer has been an active member of this committee, as representative of the Director of Public Works, since its inception.

In addition, Service and Supply personnel has active if not leading members on the subcommittees considering protective coatings, janitorial supplies, and office supplies and equipment.

The Service and Supply Department has accomplished much pioneer work in the field of standardization within the Division of Highways and is cooperating fully with the state committee and other state agencies.

New Products Investigation

When new products or processes are brought to the attention of the Division of Highways, the Service and Supply engineers confer with representatives of the manufacturers. If it appears possible that the innovation may prove to be of benefit, demonstrations are arranged, experimental projects are instituted, and the results are reviewed and consultation held with the heads of operating departments, district engineers, and other possible users, to determine applications for definite use.

Warehousing and Distributing

During the past fiscal year the central warehouses, located in Sacramento and Los Angeles, filled 24,266 requisitions which covered 69,334 items with a total value of $2,036,718.91. Most of this merchandise was shipped by rail, truck-freight or parcel post. Only 18 emergency shipments were made by express. Local deliveries were made by state trucks.

During the same period only 10,587 requisitions were submitted to the Purchasing Division for direct purchase. These included requisitions for warehouse stock as well as all other requisitions for materials which must be delivered direct to the user, such as rock, sand, asphalt, etc.

The average of 42 requisitions per day were sent to the Purchasing Division. This compares favorably with an average of 53 in 1950, 46 in 1951 and 1952, and 44 in 1953. Despite a considerable increase in the activities of the Division of Highways there is less paper work involved in the purchase of supplies and equipment.

The inventory value of stock in our warehouses as of June 30, 1954 was $1,699,633.67 and approximates the average inventory for the fiscal year so the stock turnover was 120 percent.

Stockpiled Materials

Among the duties of the two Service and Supply coordinators, such as conducting field tests, inspecting materials, expediting deliveries, evaluating salvaged construction materials and assisting generally with services and supply problems in the field, perhaps the most important is their constant vigil in keeping at a workable minimum the quantities of rock, sand, asphalt, and other materials going into stockpiles in the various districts.

The value of such unapplied materials on hand as of June 30, 1954 was $978,053.90. It is the duty of the coordinators to assist the Service and Supply Engineer in controlling these materials. They must see that they are not purchased in excess of needs for a season, that salvaged material is usable, and that usable materials on hand are used instead of purchasing new materials. The value of material in this category has decreased in the past three years due to these efforts.

Administrative Control

The Service and Supply Department has administrative control over the similar Service and Supply sections in the districts and other departments. Assistance is given in planning reproduction plants, stockrooms, office and drafting room layouts, building maintenance equipment and methods, selection of calculators, adding machines, and all similar equipment.

Careful study is made to see that the equipment purchased is the most efficient obtainable for the work to be done and that each office is equipped in a comparable manner consistent with size of the organization and the extent of their program.

Business Volume Inventory

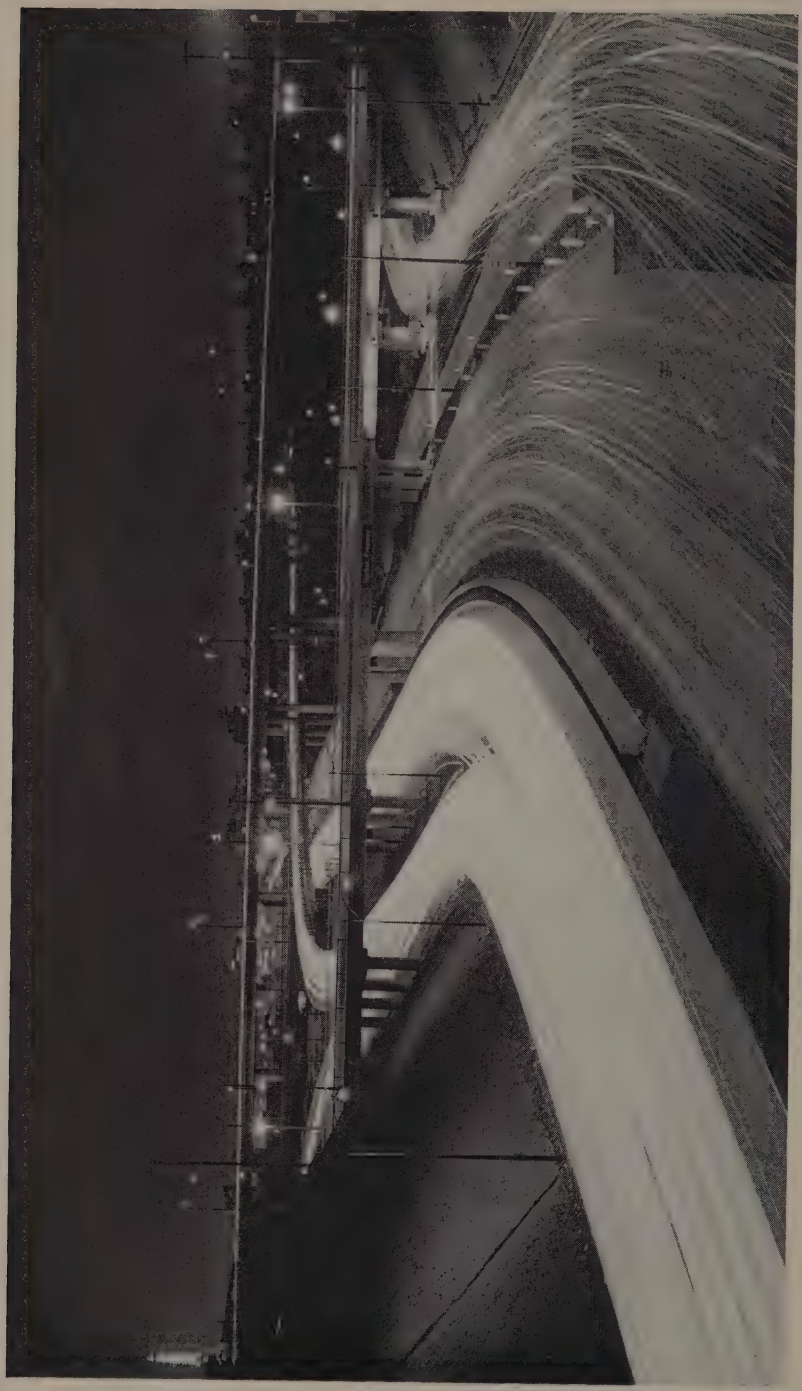
Following is a tabulation of Service and Supply business for the fiscal year:

Direct purchase	$7,060,833.91
Warehouse purchases	2,294,314.61
Warehouse disbursements	2,036,718.91
Inventory as of June 30, 1954	
District Account 137	978,053.90
Warehouse Accounts 237 and 337	1,699,633.67

Following is a resume of the allocation and disbursement of funds for acquisition of nonrental equipment during the 1953-54 Fiscal Year:

Funds allocated—	
Nonrental equipment—normal	$585,398.93
Nonrental equipment—for new buildings	107,000.00
Total allocated	$692,398.83
Funds expended	689,426.31
Funds reverted	$2,972.62

The nonrental inventory as of June 30, 1954, amounted to $6,484,-037.40.



"TRAFFIC PATTERNS" at night at the four-level structure in Los Angeles

PLANNING

The functions of planning, budget, design, traffic, special studies and the state-wide highway planning survey in the California state highway organization are all under the supervision of the Assistant State Highway Engineer, Planning.

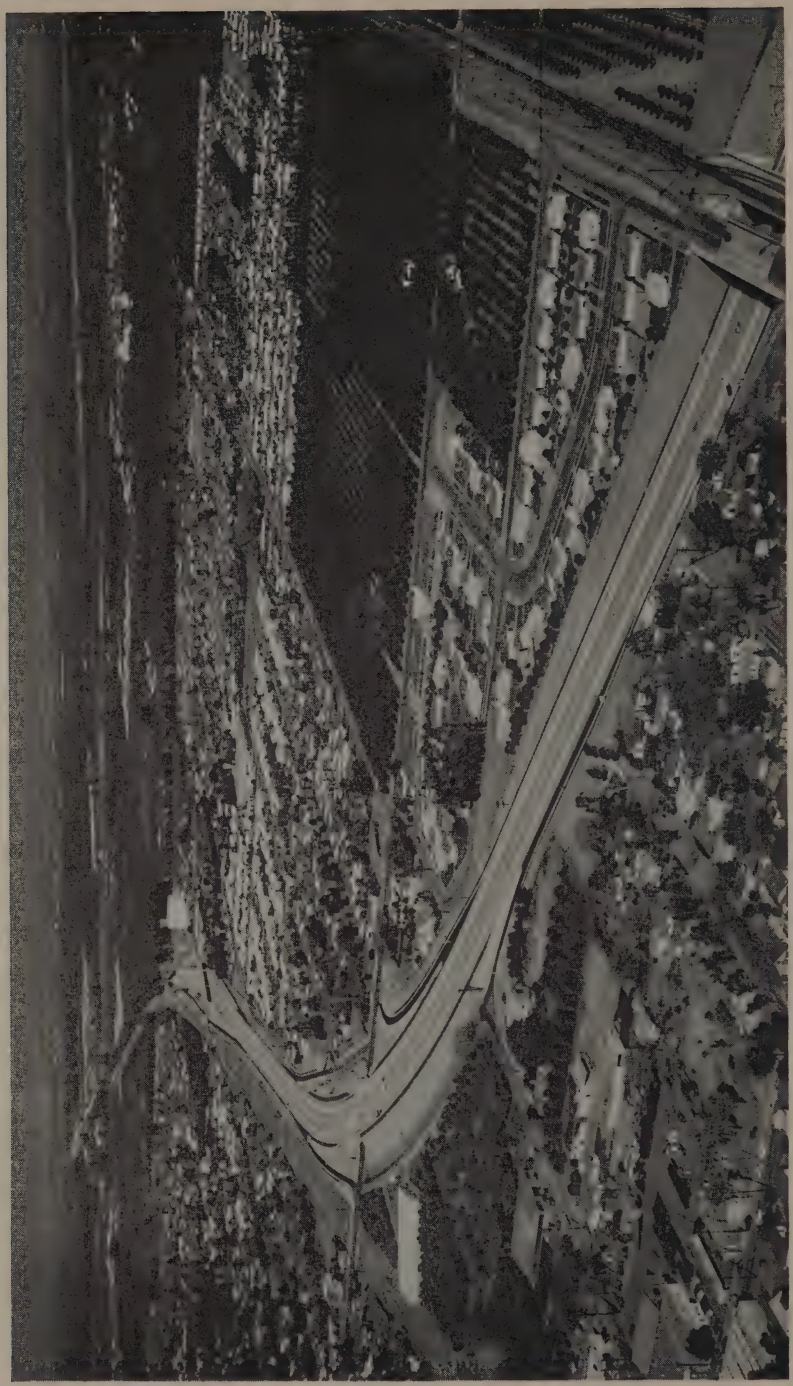
Discussion of the department's activities relating to these several functions during the fiscal year from July 1, 1953, to June 30, 1954, appears in this section of the report.

PLANNING

The Planning Section's principal functions include: developing a long-range planning program; providing the recommended construction and right-of-way programs for inclusion in the annual budget; processing project reports that initiate the authorizations for proceeding with surveys and preparation of construction plans; processing freeway agreements; processing minor improvement projects; coordinating the planning efforts of the Division of Highways with those of other agencies; and coordinating the steps attendant to route adoptions, freeway declarations and the public relations involved therein.

Long-range Planning

The basic principle underlying the endeavors of the Division of Highways to consistently provide for traffic requirements on its 14,000-mile system of highways calls for dependence on long-range advance planning. The advantages of formulating advance planning programs and of continually revising them as conditions change especially obtain when considering California's serious problem of correcting the impressive total of its critical deficiencies on state highways. The responsibility of processing such planning programs occupies a large part of the operation of the Planning Section. Tentative programs are developed, within which the relative importance of projects can be readily analyzed. These tentative programs are usually prepared on a basis of five-year planning, as in many instances allowances of from two to three years must be made for right-of-way acquisition; and it is the aim of the department to have at all times completed plans and estimates prepared on projects for at least two years of construction operations. During this past year the usual five-year program was expanded to cover an eight-year period. This change was considered desirable to facilitate accounting procedures and in order to permit the development of a complete program covering the fiscal years 1955-56 to 1962-63, inclusive, in which period specific financial controls had been established by legislative action. These programs become the guide for initiating surveys well in advance of probable rights of way and construction authoriza-



SANTA ANA FREEWAY in Santa Ana. Lincoln Avenue Overcrossing and Santa Fe Railway underpass in right foreground and 17th Street Undercrossing in center left. A federal aid project.

tions and for an orderly determination of annual budgets. Similar procedure is repeated in the department's function of processing the recommendations for the annual construction program for inclusion in budgets, at which time there must be final adjustments in former tentative planning data and in determinations of extent of proposals that will fall within the limitations of available funds.

Project Reports

One of the major activities of the Planning Section is processing project reports from inception of a project to the stage when detailed design is started. This work has effected unusual efficiency in planning and budgeting. The reports are authorized when planning program information indicates that near-future construction may be expected. They are prepared in the district and show all the information and data that should be considered in determining where, when, how, and why an improvement project is necessary. They are reviewed at headquarters, where analysis by the various departments is coordinated by the Planning Section after field review of the projects. The conclusions provide the basis for orderly development of surveys and plans. Aerial mapping at this stage is rapidly becoming an invaluable tool in implementing the evaluation of topographic controls and expediting the preparation of the project reports. Original reports covering 247 projects were submitted by the district offices during the year, 54 of which required supplemental reports. All excepting 17 of these, together with 24 reports previously received but not yet acted upon, were processed between July 1, 1953, and June 30, 1954.

Freeways

The freeway and its development are two of the most important phases of modern highway planning.

The California Highway Commission's policy that local interests concerned be informed on the features of proposed freeway units before they are adopted as freeways, is carried out and coordinated through the Planning Section.

The commission's procedural resolution adopted on July 15, 1948, requires that the city and county governing bodies be given an opportunity to have a public hearing regarding prospective freeway routing. Public hearings are conducted by members of the commission and are attended by the Planning Engineer as well as district representatives.

The mileage of declared freeways was increased during the year by 380.1 miles through action by the California Highway Commission and now totals 2,537.4 miles. The new mileage represents 64 units, 28 of which involved major relocation. Only 11 of this group required formal public hearings. Eight of these hearings have been concluded with the adoption of the route as presented.

Along with the progress made in advancement of freeway mileage in the state system, 116 units of freeway agreements have been received for processing. The cooperation received from the cities and counties in working out and concluding these agreements has been extremely satisfactory and commendable.

WALDO APPROACH TO GOLDEN GATE BRIDGE in Marin County

In quite a few instances old original agreements have been superseded by supplemental agreements in order to incorporate improved design standards over those previously proposed. The use of the supplemental freeway agreement which permits the substitution of a revised exhibit map without changing any of the provisions of the original agreement has enabled the State to meet the requirements for advanced and improved design standards with a minimum of administrative work.

Other Proposals Studied

Innumerable proposals, suggestions, and inquiries regarding new and existing routes, plans for their development, and budgets are received from individuals, and from public and semipublic organizations. Preparation of reports and replies on these subjects occupies some considerable time of Planning Section personnel. Such work frequently extends into careful and comprehensive discussion and analysis, important for administrative as well as engineering use.

Liaison With Other Agencies

The Planning Section has continued the important function of maintaining close liaison with public agencies whose works are interrelated with state highway planning and budgeting. Prominent features of such cooperative activity include the impact on highway facilities of plans for flood control, reclamation, water resources utilization, beaches and harbors, water flow retardation and soil erosion retardation. Programs and projects of federal, state and local agencies are studied for the effect on state highway interests. Agreeable relationship has been established. The section recently completed a comprehensive report on factual data relative to major problems arising in the coordination of water resources projects and development of state highways for use in a nation-wide study of the subject. During the past year agreements have been negotiated for equitable adjustments and replacements on a number of state highways to accommodate canals, flood control works and reservoirs.

National Forest Highways

The provisions in federal aid acts regarding forest highway programs require joint action between the U. S. Forest Service, the U. S. Bureau of Public Roads, and the Division of Highways. The State's participation in these matters is coordinated in the Planning Section.

Until the 1954 Federal Aid Act came into effect at the end of the 1953-54 Fiscal Year, only limited construction authorizations were received during the year pending availability of federal funds. Construction during the year carried out work of a progressive nature on projects previously initiated. The 1954 act includes a new provision under which the apportionments to the State can be immediately obligated. This permitted action during the concluding month of the 1953-54 Fiscal Year in proceeding to place under way the majority of the projects adopted in approved programs covering California apportionments to and including the 1954-55 Fiscal Year apportionment of $3,219,000.

HARBOR FREEWAY between Wilshire Boulevard and four-level structure. A federal aid project.

It also resulted in apportionment of a similar amount for the 1955-56 Fiscal Year, which will expedite progress in completing essential units of comprehensive projects. The Forest Highway projects that are being developed are on routes considered on the basis of meeting directives stressing benefits to national defense and urgencies for improvement needed for important timber production, other trucking, and large traffic volume.

Tabulation of the status of the National Forest Highway System in California is included in this report.

TORREY PINES GRADE on US 101 in San Diego County

NATIONAL FOREST HIGHWAY SYSTEM IN CALIFORNIA

Status—June 30, 1954

Rte. No.	Name of route	Termini of projects	National forest	Length (miles)	Projects constructed by bureau of public roads	
					Miles built or under construction	Total expenditures
1	Crescent City (US 199)	Forest Boundary near South Fork-Oregon line	Siskiyou-Six Rivers	33.4	26.7	$1,478,904
2	Klamath River	Weitchpec-mouth of Shasta River (Jct. US 99)	Klamath-Six Rivers	130.0	71.9	3,441,824
3	Trinity River (US 299)	Junction City-Horse Summit (Berry Summit)	Six Rivers-Trinity	59.9	7.4	826,648
4	Peanut-Van Duzen	FH 6 at Peanut-west forest boundary	Trinity-Six Rivers	36.6		
5	Douglas City-Peanut	Jct. US 299 at Douglas City-FH 6 at Peanut	Trinity	30.9	24.8	1,580,835
6	Beegum-Peanut	Beegum-FH 4 at Peanut	Trinity	24.0	5.1	654,375
*7	Mendocino Pass	Williams Creek-mouth of Grindstone Creek	Mendocino	54.4	54.0	451,365
*8	Lucerne-Bartlett	Lucerne Jct.-Hough Springs	Mendocino	23.2	22.7	54,560
10	Weed-Medicine Lake (US 97)	Weed (Jct. US 99)-north boundary national forest	Shasta	13.6	9.9	99,003
11	Lava Beds	FH 12 at Spaulding Ranch-near Stronghold	Modoc	30.6	24.0	703,199
12	Howard Gulch	FH 14 at Canby-FH 11 at Spaulding Ranch	Modoc	17.1	17.1	494,175
13	Alturas-Cedarville	Near west forest boundary-Cedarville	Modoc	9.1	7.7	117,776
14	Redding-Alturas (US 299)	FH 16 at Adin-FH 12 at Canby	Modoc	22.5	10.9	205,000
15	Redding-Alturas (US 299)	South forest boundary-east forest boundary-northeast of Burney	Shasta	3.5		
*16	Willow Creek	FH 14 at Adin-Grasshopper Valley	Modoc	27.7		
*17	Westwood	State Rt. 29-FH 92 (Feather Lake Forest Highway)	Lassen	11.4		
18	Red Bluff-Susanville	12 miles west of Mineral-east forest boundary	Lassen	36.1	24.3	527,634
19	Red Bluff-Susanville	Near Coppervale-Susanville	Lassen	15.3		
20	Almanor	Almanor Dam-Jct. FH 22 (Feather River Highway)	Plumas	21.4	19.0	1,111,370
21	Deer Creek Meadows	Forest Ranch-Deer Creek Meadows (Jct. FH 18)	Lassen	38.1	25.9	987,342
22	North Fork Feather River	West fork boundary-Quincy (connection FH 23)	Plumas	53.0	5.7	200,700
23	Quincy-Beckwourth	FH 22 at Quincy-Beckwourth	Plumas	38.5	38.3	805,271
*24	Gold Lake	Jct. State Rte. 83 near Graeagle-FH 26 at Bassetts	Plumas and Tahoe	15.0	1.3	78,828
25	Nevada City-Downieville	North San Juan-Downieville (connection FH 26)	Tahoe	29.7	11.7	1,426,929
26	Yuba Pass	Downieville (connection FH 25)-Sattley	Tahoe	30.8	30.8	740,453
27	Sierraville-Hobart	Randolph-1.7 miles south of Sierra-Nevada county line	Tahoe	15.8	15.8	478,286
28	Calpine-Clio	Calpine-Mohawk Valley	Tahoe and Plumas	7.2	7.2	212,544
29	Emigrant Gap (US 40) (Interstate)	West forest boundary near Blue Canyon-Union Mills	Tahoe	8.5	6.9	246,826
30	Truckee-Meyers	FH 29 at Truckee Jct.-FH 32 at Tahoe Valley	Tahoe and Eldorado	42.1	14.5	494,732
31	Tahoe-Brockway	Tahoe City (Jct. FH 30)-Nevada state line	Tahoe	10.8	3.4	320,788
32	Placerville-Lake Tahoe (US 50)	Pollock Pines-Nevada state line	Eldorado	49.7	42.1	2,987,775
33	Carson Pass	Cook's Station-FH 43 at Picketts	Eldorado and Toiyabe	43.6	3.9	350,357

34	Woodfords-Minden	FH 35 near Woodfords-Nevada state line	Toiyabe	6.4		
35	Ebbetts Pass	Murphy-Woodfords (Jct. FH 34 and 43)	Stanislaus-Toiyabe	82.5	18.3	362,796
36	Topaz (US 395)	Connection with FH 37, 2 miles south of Coleville (Nevada state line)	Toiyabe	11.3	11.3	215,037
			Toiyabe	30.1		
37	Bridgeport-Coleville (US 395)	Near Bridgeport-connection with FH 36	Stanislaus-Toiyabe	74.7	40.9	2,446,599
38	Sonora Pass	Soulsbyville Jct. (Mono Vista)-FH 37 at Sonora Jct.	Stanislaus	28.9		
39	Big Oak Flat (Tioga)	Big Oak Flat-Yosemite National Park boundary	Inyo	14.4		
40	Tioga	Jct. FH 41 at Lee Vining-Yosemite National Park boundary	Inyo	35.1		
41	Red Rock-Bridgeport (US 395)	Near Convict Creek-Mono Lake				
42	Red Rock-Bridgeport (US 395)	Forest boundary 5 miles north of Inyo-Mono county line-forest boundary 1 mile west of Rock Creek Inn	Inyo	7.1		
43	Luther Pass	Woodfords (Jct. FH 34 and 35)-Jct. FH 32 (Placerville-Lake Tahoe)	Toiyabe-Eldorado	18.0		
*44	Aspen Valley	Big Oak Flat Highway (Jct. FH 39)-west boundary Yosemite Park	Stanislaus	2.0		
45	Mariposa-El Portal	Briceburg-Yosemite Park boundary	Sierra-Stanislaus	17.7		
46	Harmony Ridge	West boundary national forest-Jct. FH 29 near Emigrant Gap	Tahoe	16.6	3.7	484,514
47	Oakhurst	Yosemite Park boundary-Oakhurst	Sierra	14.8	14.8	591,435
48	Huntington Lake	Southwest boundary national forest-Huntington Lake	Sierra	38.7	23.0	1,558,892
49	Kings Canyon	General Grant Park boundary-Deer Cove Creek	Sequoia	24.6		
50	Fresno-Kings Canyon	Forest boundary approximately 5 miles west of Deer Park-General Grant Grove section of Kings Canyon Park	Sequoia	12.9	1.6	203,111
51	Hoopa	Willow Creek (Jct. FH 3)-Hoopa Indian Reservation	Six Rivers	8.7	8.7	274,610
52	Glenville-Kernville	West boundary national forest-east boundary national forest	Sequoia	13.0		
53	Bakersfield-Freeman	Cottonwood Creek-Bodfish	Sequoia	30.4		
54	Cuyama	Dutard Ranch-Cuyama River bridge	Los Padres	15.4	15.4	651,792
55	Cuesta Pass (US 101)	Cuesta-San Luis Obispo Creek	Los Padres	3.0		
56	San Marcos	Santa Ynez River bridge-south boundary national forest	Los Padres	22.7	16.3	392,553
57	Ridge Rt. (US 99) (Interstate)	Castaic-Gorman	Angeles-Los Padres	26.6		
58	Arroyo Seco	La Canada-Red Box	Angeles	13.1		
*59	Vincent	Vincent-FH 61 at Switzers Saddle	Angeles	25.0		
*60	Mt. Wilson	FH 58 at Red Box-Mt. Wilson	Angeles	5.0	5.0	185,213
61	Angeles Crest	FH 58 at Red Box-FH 63 at Islip Saddle	Angeles	25.7	13.4	887,571
62	San Gabriel	South national forest-FH 61 at Islip Saddle	Angeles	29.6	9.4	1,450,820
63	Swartout (Mt. Islip)	FH 61 at Islip Saddle-SR 59 near Phelan	Angeles and San Bernardino	24.6	9.8	546,840
64	Cajon (US 66) (Interstate)	Devore-forest boundary near Summit	San Bernardino	14.9		
65	Bear Valley	Forest boundary near Arrowhead Springs-FH 68 at Pine Knot	San Bernardino	41.2	20.8	1,461,189
66	Fawnskin	Jct. FH 65 at Big Bear Dam-Sylvan Way (in Big Bear City) via Fawnskin	San Bernardino	10.6		
67	San Luis Rey	East forest boundary-west forest boundary	Cleveland	3.2		
68	Mill Creek	FH 65 at Pine Knot-south forest boundary	San Bernardino	47.8	9.6	2,161,531
70	San Jacinto-Desert	West forest boundary-Jct. SR 187 west of Indian Wells	San Bernardino	47.8	43.9	529,837
71	Mt. Lassen	South boundary Lassen National Park-Jct. FH 18 at Mineral	Lassen	8.9	6.0	125,814
*72	Idyllwild	FH 70 west of Keen Camp-north boundary national forest	San Bernardino	20.1	20.1	162,247
*73	Laguna	FH 80 at Laguna Jct.-Jct. SR 78 at Cuyamaca Lake	Cleveland	25.4	25.4	455,497
*74	North Fork	Jct. FH 47 north of Oakhurst-Jct. FH 48	Sierra	26.6	4.3	237,570
75	Manzanita Lake	West park boundary-1 mile west of west forest boundary	Lassen	4.5	4.5	102,372
76	Maricopa-Ventura (US 399)	North boundary forest-south boundary forest	Los Padres	42.8	25.7	1,149,576
77	Mt. Shasta-Mt. Lassen	Jct. US 99 near Mt. Shasta City-northwest boundary Lassen National Park	Shasta-Lassen	91.3	81.4	1,777,074
*78	Generals Highway	Sequoia Park-General Grant Grove, section of Kings Canyon National Park	Sequoia	10.4		

NATIONAL FOREST HIGHWAY SYSTEM IN CALIFORNIA—Continued

Status—June 30, 1954

Rte. No.	Name of route	Termini of projects	National forest	Length (miles)	Projects constructed by bureau of public roads: Miles built or under construction	Projects constructed by bureau of public roads: Total expenditures
79	Morgan Summit-Morgan Springs	FH 71 at Morgan Summit Jct.-FH 18 at Morgan Springs Jct.	Lassen	3.8	3.8	$115,386
80	El Cajon Pass-Jacumba (US 80) (Interstate)	Alpine-La Posta Ranch	Cleveland	27.7		
81	Mammoth Lakes	Jct. FH 41-McLeod Lake	Inyo	10.6	9.1	231,656
82	June Lake	Jct FH 41-Jct. FH 41 via Silver Lake	Inyo	16.2		
*83	Pine Crest	Jct. FH 38-Pine Crest	Stanislaus	0.9	0.9	32,297
84	Morro Bay (US 466)	East boundary national forest-west boundary national forest	Los Padres	3.6	3.6	128,052
*85	Round Lake	Jct. FH 32-Jct. FH 33	Eldorado	10.0		
*86	Blue Lakes	Jct. FH 33-Jct. FH 35	Eldorado, Toiyabe and Stanislaus	18.0		
*87	Clark Fork	Jct. FH 35 (Ebbetts Pass Highway)-Jct. FH 38 (Sonora Pass Highway)	Stanislaus	25.6	9.2	345,462
*88	Clavey River	Jct. FH 38-Jct. FH 39	Stanislaus	30.0		
*89	Rock Creek	Jct. FH 42-Rock Creek Lake	Inyo	12.0		
*90	Western Divide	Jct. FH 52-Quaking Aspen Meadows, Jct. SR 127	Sequoia	39.0	4.6	505,564
91	Bishop Creek	East boundary forest-Lake Sabrina	Inyo	11.0		
*92	Feather Lake	FH 77 (Mt. Shasta-Mt. Lassen Highway)-Jct. FH 19 (SR 29)	Lassen	47.9	9.2	395,984
*93	Salmon River	FH 2 at Somes Bar-Sawyers Bar	Klamath	34.0	17.0	801,017
94	East Walker River	South boundary national forest-Nevada line	Toiyabe	8.6		
*95	Mt. Pinos	Jct. US 99-Bitter Creek Saddle	Los Padres	21.1	6.0	397,774
*96	Mosquito Ridge	Forest Hill-Bear Trap Saddle	Tahoe	19.1	19.1	2,178,985
*97	Herring Creek	Jct. FH 38 (Sonora Pass)-Herring Creek Camp	Stanislaus	9.5		
*98	Everitt Memorial Highway	Mt. Shasta City-Panther Meadows	Shasta	14.8		
*99	Calaveras Big Trees	Jct. FH 35-northerly boundary south Grove Calaveras Big Trees	Stanislaus	9.6		
					Surveys	1,675,080
				2,460.6	Total	$46,299,246
					Federal Funds	$40,260,390
					Coop. Funds	$6,038,856

* Not on State Highway System.

BUDGET

The Budget Section has as its primary function the preparation of the annual budget of the Division of Highways for submission by the State Highway Engineer to the Director of Public Works and the California Highway Commission for their consideration and adoption. Engineering control of the state highway budget to assure adherence to its provisions as to projects and amounts is performed under the supervision of the Assistant State Highway Engineer, Administration.

The revenues for the support of the activities of the Division of Highways are derived almost entirely from four state sources—gasoline tax, use fuel tax, motor vehicle fees, and transportation tax—plus such federal aid for highways as may be authorized by Congress.

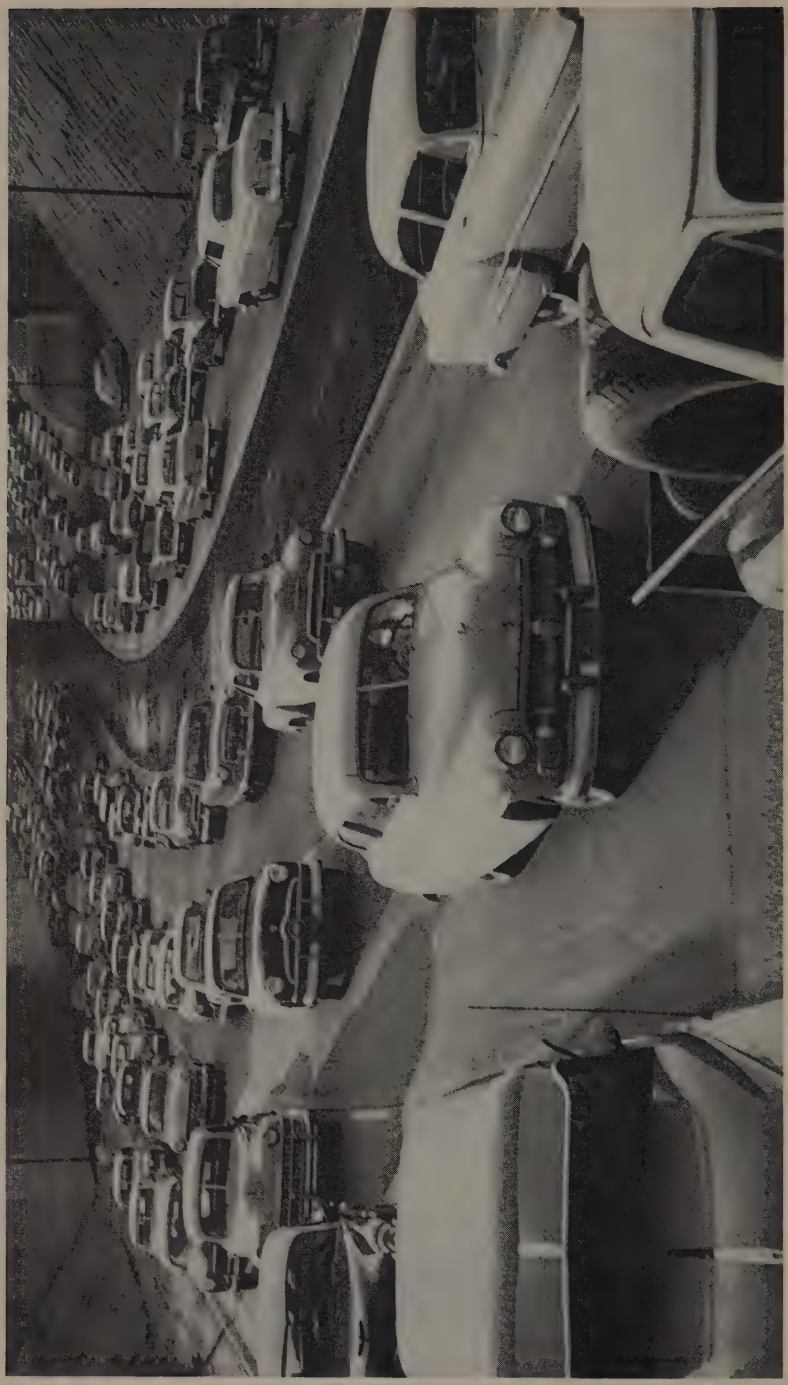
With the exception of federal aid, which is unpredictable beyond the period established by each federal act, the other sources named are all directly related to motor vehicle use. Consequently, the division's revenues accord closely with the volume and type of highway traffic. Our long established and continuous records of this traffic throughout the State thus became invaluable as a guide in estimating probable revenues for budgeting purposes. Consultation is also had with those other governmental departments and agencies whose functions relate to or affect state highway income, particularly the Departments of Finance and Motor Vehicles and the Board of Equalization.

Due primarily to various legislative acts, the budget of the Division of Highways for the 1953-1954 Fiscal Year underwent radical alteration after its original adoption by the commission.

Assembly Bill No. 1237 enacted during the 1953 Session of the Legislature increased the tax on gasoline from 4½ cents to 6 cents per gallon, the tax on use fuel from 4½ cents to 7 cents per gallon, and raised all motor vehicle fees by approximately one-third. All of this added revenue was made available for state highway purposes.

In addition to the greater funds which were produced by these increases in taxation rates, funds available for the 1953-1954 Fiscal Year were materially augmented by legislative authorization for transfer of funds to the State Highway Fund on a monthly rather than a quarterly basis. This resulted in the receipt during the 1953-1954 year of two months' revenues, which, under prior legislation, would not have become available until the 1954-1955 Fiscal Year. Naturally, none of this extra revenue could be foreseen at the time of preparation of the original budget.

Another unanticipated addition to the year's revenues resulted from the rapid processing by the Department of Motor Vehicles of the receipts from registration and weight fees for the calendar year 1954. This made possible the earlier transfer to the Highway Fund of a much larger percentage of the year's total revenue from this source than had heretofore been accomplished.



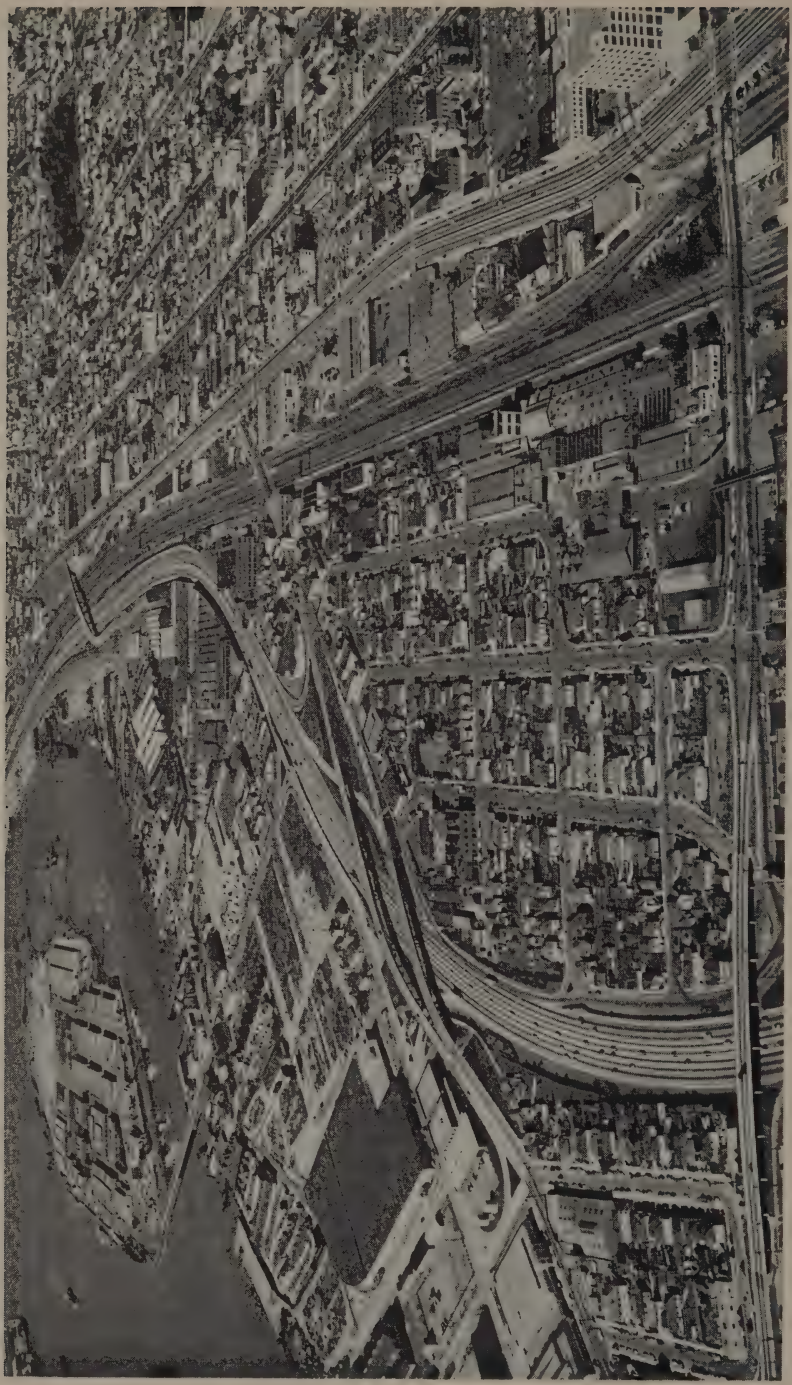
TRAFFIC ON SANTA ANA FREEWAY at the Alameda Street Overcrossing. A federal aid project.

While the change from quarterly to monthly allocations, and the more rapid processing of motor vehicle fees, materially enlarged the originally estimated Highway Fund receipts for the 1953-1954 Fiscal Year (with consequent adjustments of the budget made necessary), such extra revenue was somewhat in the nature of a windfall since, in fact, it was the receipt in one year of more than one year's collections and obviously cannot be repeated.

The extent of this year's budget adjustments necessary to make prompt use of all available funds toward accelerating the acutely needed highway improvements may be judged from the fact that these several actions—legislative and functional as mentioned above—combined to increase the receipts into the State Highway Fund from the four major sources, gas tax, diesel tax, transportation tax, and motor vehicle fees, by more than $100,000,000. Incidentally, it may be pointed out that the actual motor fuel use in gallons and the actual number of motor vehicles registered were in quite close agreement with the estimates upon which the original budget was based.

The conditions encountered this year, as just outlined, again highlight the fact that the budgets of the Division of Highways are not things once fixed and adhered to throughout a fiscal year with only minor changes occurring, which is the commonly accepted idea and which is true with respect to the great majority of departmental budgets.

In order that the Division of Highways may efficiently accomplish its prescribed task of adequate maintenance and expeditious improvement of the State Highway System—always with limited funds—it is vitally necessary that all available funds be translated without undue delay into actual facilities for the highway user. To do this requires continuous modification and adjustment of the budget; and any material changes in a current year's budget, especially with respect to construction projects, immediately affects the budget of the succeeding year. As the result of these 1953-54 budget changes, the budget for 1954-55 has already been greatly altered, and further revision is now under way, together with the preliminary work necessary for the original draft of the budget for 1955-56.



EASTSHORE FREEWAY in Oakland

DESIGN

The expanded highway program has led to greater responsibilities of design departments in the 11 districts, as well as in Headquarters. The greater volume of plan work and design studies required has led to a gradual trend in the function of the Headquarters Design Department from that of technical adviser toward that of production management.

Although supervision of technical detail and administration of policy continues to be the principal work of Headquarters Design, the great advances in standardization provided by the recently published Design Manual, together with the growing proficiency and experience of district design personnel, has allowed a reduction in detailed review by Headquarters representatives. These reviews are now limited to situations and conditions involving special problems and special design considerations.

This gradual transition in function of the Headquarters Design Department, and the greater efficiency and experience of the district personnel, have been effective. The design organization as a whole, has taken in stride the expanded highway program, with the heavy obligation of detailed freeway design.

Volume of Plan Preparation

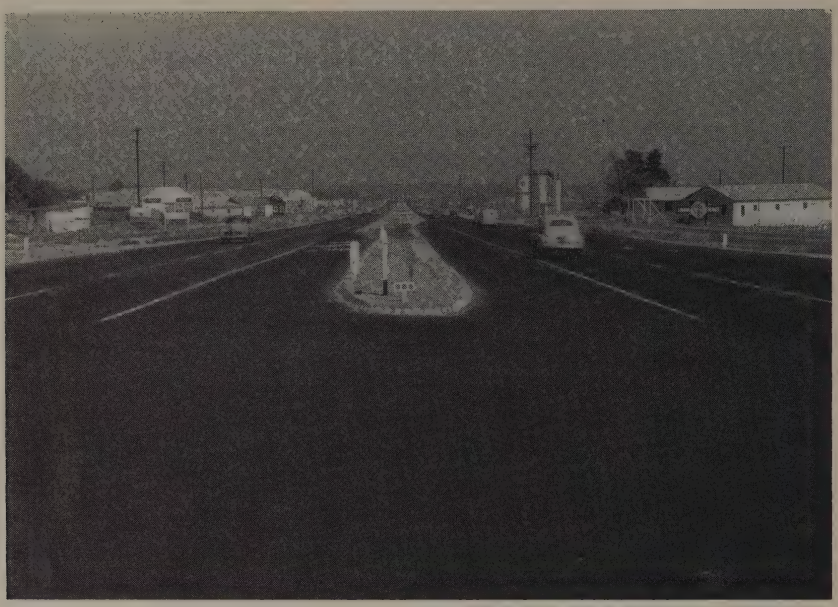
During the Fiscal Year 1953-54, 440 plans and preliminary reports were completed by the districts and processed through the Headquarters Design Department. In spite of this unprecedented number of projects on which plans were completed, the district design organizations were able to keep up to schedule on currently budgeted projects, as well as on future projects. Evidence of this may be drawn from the fact that by the end of the Fiscal Year 1953-54, not only had all the plans for that year been submitted, but 77 percent of the plans had been completed for projects budgeted for the 1954-55 fiscal Year.

Preliminary Engineering Authorizations

The method of handling preliminary engineering authorizations was modified in Fiscal Year 1953-54 to streamline and simplify the accounting procedures. Due to this modification only 1,129 requests for preliminary engineering authorizations were required this year. This compares with 1,357 in the previous year.

Project Reports

Project reports are prepared by the 11 districts to summarize the highway problems to be corrected and to offer for study the district's recommendations as to the most feasible methods of improvement. It is the Design Department's responsibility to review these reports from a design standpoint to insure that any future improvement will conform to the latest in knowledge and technical detail. During the 1953-54 Fiscal Year, 362 project reports were reviewed by the Design Department for this purpose.



NEW DIVIDED HIGHWAY on US 101 north of Santa Clara River in Ventura County. A federal aid project.

Interchange Design

The design of a modern highway through an urban area presents many problems. Perhaps the most challenging of all these problems is the design of traffic interchange structures to merge or cross great volumes of traffic expeditiously and with safety. Continuing study of traffic behavior on freeways in the great metropolitan areas of California, and continuing close coordination with the U. S. Bureau of Public Roads, the American Association of State Highway Officials and others has been rewarding, and knowledge has been increased. The Geometric Design Section of Headquarters Design Department is maintained to keep abreast with the best standards of practice in the Nation and in the world. During the Fiscal Year 1953-54 this department reviewed 299 detailed interchange or intersection designs that were prepared by the districts and, in the cases of great complexity of traffic demands, have often effected improvement and economy through consultation with the district.

Studies and Research

The Design Department has continued studies of pavement performance and the annual operating cost of various types of road pavements. During the fiscal year, over 400 miles of pavements were inspected and the basic design, together with subsequent restorative treatments, were recorded for statistical analysis. Studies were also continued on the service life of bituminous pavement constructed over

cement treated bases. As a part of these studies certain features of the recently completed Load Condition Survey have been continued as a cooperative project with the U. S. Bureau of Public Roads.

As a result of comparisons of pavement performance, an experimental bituminous surfacing section was initiated by the Design Department. This experiment will involve direct comparison of the durability of asphalts from the various California fields and will permit observation of the effectiveness of a revision in asphalt specifications that is expected to improve the service life of asphaltic pavements in California.

Studies have also been conducted toward the use of "second story" portland cement concrete pavements poured in 24-foot-width slabs. In addition, the Design Department has participated in the conception and planning of the use of welded wire mats and expanded metal mesh to reinforce bituminous resurfacing material.

Hydraulics

Assistance has been provided to the districts in involved drainage conditions through consultation with members of the Headquarters Design Department. Close cooperation in such cases has expedited plan work, particularly when responsibility or liability of outside agencies is involved.

NEW DIVIDED HIGHWAY on US 101 near Camarillo in Ventura County. A federal aid project.

TRAFFIC ON HOLLYWOOD FREEWAY

Cooperative Agreements

The increased improvement of state highways through metropolitan areas has heightened the need for integrated city-state drainage plans. Improvement through cooperative agreements has provided many mutual benefits and savings. Approximately 90 cooperative agreements were handled by Headquarters Design during the Fiscal Year 1953-54.

Methods and Procedures

During the past year one member of the staff of the Engineer of Design has been assigned full-time to study and develop simplified methods and improved techniques in plan preparation. The advantages of this program have been real. Greater efficiency of design work has been indicated by the orderly handling of the increased design program, in spite of some shortage of trained and experienced help. This greater efficiency has been achieved through use of surveys by photogrammetric methods, simplification of design practices and standardization of design procedures. Acknowledgment should also be made of the success in all the districts of greater utilization of nonengineering manpower and the use of women in the engineering work.

Structural Design of the Roadbed

It is the responsibility of the Headquarters Design Department to review the soil test data and the recommendations of the districts to insure the most appropriate and economical use of available construction materials. This review must also take into account the feasibility

of construction and the future maintenance problems. Toward this end, comments of the Headquarters Traffic, Construction and Maintenance Departments are obtained and considered before approval or recommendations are made to the districts. A total of 207 typical cross-sections were reviewed in this manner during the 1953-54 Fiscal Year.

Roadside Development and Erosion Control

Continuing emphasis has been placed on the use of plants and foliage of various types which protect the highway investment and also are of value to the motorist from the standpoint of safety. Ground cover planting will stabilize slopes and prevent erosion and, at the same time, will retard weed growth which, in turn, reduces the fire hazard. Median screen planting provides a nonrigid barrier between opposing lanes of traffic, and adds to the safety of the motorist by reducing or eliminating the glare from approaching headlights.

Plans, specifications and estimates for roadside development are prepared in Headquarters Design Section and forwarded to the various districts for review. Erosion control measures and methods are determined when typical sections are submitted by the districts for review. The details are then handled by the district with the assistance of the Design Section.

There have been contracted during the past year 18 such projects. In addition, there were 42 construction projects prepared in the districts which contain erosion control or preparatory roadside development work.

TRAFFIC ON SANTA ANA FREEWAY between 4 p.m. and 5 p.m. A federal aid project.

ILLUMINATED SIGNS on Santa Ana Freeway in Los Angeles

ADVANCE DIRECTIONAL SIGNS on Tulare Freeway on US 99

TRAFFIC

California again tied with Michigan for the Traffic Engineering Award in the annual inventory of traffic safety activities conducted by the Institute of Traffic Engineers. This marks the fourth consecutive year in which California has won or tied for first place among the eight most populous states.

Organization and General Duties

Each of the 11 districts has a staff engineer in charge of traffic engineering within the district. The Headquarters Traffic Section assists in, coordinates, and reviews the work done by the districts. Headquarters additionally makes investigations of traffic facts and phenomena which are state-wide in scope.

Because traffic service is the end result of all highway activity, the Traffic Engineer maintains the closest kind of liaison and cooperation with the Engineer of Design and the Planning Engineer.

Traffic Data

Estimated vehicular travel on the rural state highway system during the calendar year 1953 was 15.9 billion vehicle-miles, an increase of 6 percent over 1952.

The average daily traffic on the rural system was 3,469 cars, trucks and busses. This average includes many miles of low-volume roads, and a more complete picture is shown in the following table:

RURAL STATE HIGHWAYS

	Length of road		*Amount of travel*	
Daily traffic volume	*Miles*	*Percent*	*Vehicle-miles (billions)*	*Percent*
More than 20,000	202	1.6	2.190	13.8
10,000 to 20,000	812	6.5	4.003	25.2
6,000 to 10,000	962	7.7	2.652	16.7
1,000 to 6,000	3,999	31.9	5.152	32.4
Less than 1,000	6,567	52.3	1.887	11.9

There were 82 miles of freeways in use during 1953 and these highways carried an average volume of 47,017 vehicles per day. This type of construction with no intersecting streets or roads has proven extremely efficient in carrying large volumes of traffic smoothly and with minimum accidents.

The final link in the Hollywood Freeway from downtown Los Angeles to the San Fernando Valley was opened to traffic during the fiscal year. By June, 1954, weekday traffic on one section of this freeway had reached 165,000 vehicles per day, of which 14,600 passed during a single hour in the evening rush. This volume, which included 8,700 cars in one direction, shows the need of additional freeways to serve the demand. The intersection of the Arroyo Seco-Harbor Freeway and the Hollywood Freeway (US 66 with US 101) handled 242,000 vehicles every weekday, and it is believed to be the busiest intersection in existence.

DAY AND NIGHT PHOTOS of a channelized intersection on the Michael J. Burns Freeway in Arcata, Humboldt County. A federal aid project.

Geometric Standards and Traffic Service

The most important function of any highway project is to serve traffic, and for this reason traffic data constitute an important part of the project report prepared for every proposed improvement project. These data, including forecasts of usage and demand for various turning maneuvers, are prepared by the district traffic engineers and are reviewed in headquarters. Plans for highways and interchanges are also reviewed by the traffic department to assure that the desired effect will be achieved.

Research

Continuing research into subjects of state-wide scope is being conducted. Among these are the usage of new routes and diversion of traffic due to improved facilities, the number of and reasons for accidents at intersections, and the reduction of delay at signals. Development of signs for improved legibility and clarity of meaning, and of improvements in highway illumination and traffic signals has proceeded.

Traffic Controls

During the 1953-54 Fiscal Year, the following action was taken on speed zones, ordinances, no passing zones, signs and bulletins:

Speed zones	*Number established*	*Added mileage during year*
25	7	0.05
35	125	107.58
45	72	84.40
Totals	204	192.03

A total of 16 zones was rescinded.

Ordinances and Orders
City and county ordinances approved 50
Regulatory orders written 43

No Passing Zones
No passing zones for restricted sight distance authorized at 128 locations.

Signs and Bulletins
School crossing protection booklet developed and 1,900 distributed.
5,344 Warning signs authorized
4,077 Regulatory signs authorized
9,317 Guide signs authorized
6,543 Miscellaneous and construction signs authorized.

Traffic Signals

Increasing traffic and land development along state highways resulted in the installation during the year of 136 traffic signals. Eighty-three of these signals were traffic-actuated, meaning that they hold one movement by a red light only when there is a demand for a conflicting movement. During the fiscal year there were five actuated-progressive signal systems installed. In this type of system traffic on the main artery is permitted to pass through successive intersections at speeds

which vary throughout the day, depending on the respective demand for green time of traffic in opposite directions and traffic from the side streets. New developments include selective left-turn phasing to reduce delay to through traffic, and equipment which permits vehicle detection at greater distances from the intersection, thus providing smoother operation and more flexibility in timing.

Illumination

Research in highway lighting resulted in the development of a new fluorescent luminaire for highway use which results in better visibility and less glare in wet weather. Illumination was accomplished at 364 locations, by the use of 3,766 light standards. Ninety illuminated signs were erected on freeways.

MONTE DIABLO AVENUE pedestrian overcrossing in San Mateo County

SPECIAL STUDIES AND HIGHWAY PLANNING SURVEY

The chief functions of this section of the Planning department are the gathering or assembling of factual information, evaluating the assembled data, and distributing it through the proper department heads to all departments of the Division of Highways, the Bureau of Public Roads, the State Legislature, and other outside agencies as requested. Such data and studies generally pertain to the State Highway System, but may also include roads and streets under city, county, state and federal government jurisdictions. This work is partially financed with 1½ percent of federal aid allocations.

Within the State-wide Highway Planning Survey Section are several units consisting of the following working groups: Rural road inventory and mapping, statistical and research, financial analysis, deficiency studies and legislative reports, aerial photography, traffic on local roads, drafting, and records of status of highways. A key punch and tabulating group provides mechanical analyses of data for all the working units in the Planning Survey, as well as for all departments within the Division of Highways, making it possible to rapidly analyze and make copies of the results of studies involving mass quantities of calculations as in orgin and destination surveys of metropolitan areas, trip desire data from the motor vehicle use study, average daily traffic and vehicle miles of travel, traffic accident rates, coordinates for mapping from gyroscopic equipment surveys, highway deficiency reports for the Legislature, current inventory of state highway needs, and numerous other reports of statistical character.

A revised edition of "Status of State Highway Programming" sheets is currently being compiled for the entire State Highway System. Each project unit, whether adequate or deficient, is shown on a separate sheet which shows the project location, existing geometric features, existing and future traffic, and the proposed improvements and cost.

The gyroscopic grade and alignment survey crew completed the field work started the previous year. This type of survey data is now available in tabulated form for approximately 7,000 miles of state highways in hilly or mountain terrain.

An annual edition of the Status of Highways was made, local road mileage tables and federal aid reports were prepared, and a revised federal aid log was compiled.

During the past year the statistical and research section has proceeded with the state-wide motor vehicle use study. The field work for this study was completed in January of 1954. The initial coding and punching phases are completed at this time and cards are being processed preparatory for regional and state-wide summaries.

During the past year traffic reports were completed for the Bakersfield and San Diego areas. Similar reports are in process for the Fresno and Stockton metropolitan areas.

This unit has cooperated with the Traffic Department in reviewing district plans for small scale origin and destination surveys and assisted in developing methods of analysis.

This section now has in process, and has completed, studies on truck weighing and interstate movement of trucks. It has also made a collection of data to determine the use of by-pass freeways for small communities.

The section supervises the business tabulating machine unit which does work for several of the departments within the Division of Highways on a cost basis. It maintains, on a monthly basis, personnel statistics; on a semiannual basis, an inventory of bridges, railroad crossings, etc., for the Bridge Department; and, on an annual basis, prepares summaries of expenditures for the Accounting Department. During the past year it has cooperated with the Traffic Department in working out a procedure for the assignment of traffic to new facilities based on origin and destination data.

The rural road inventory, a cooperative project with the Federal Government and the counties, has been completed in 13 counties. Resulting maps and reports have been delivered to all cooperating agencies. The field inventory has been completed in an additional 17 counties. Preliminary mapping is completed or is in progress for another 11 counties. Extensive use of late aerial photography has been made in producing the most reliable maps possible. A total of 41 counties have now entered into agreement with the State for the rural road inventory. The Senate Interim Committee on Highways, Streets and Bridges, in its preliminary report to the Senate, recommended completion of the rural road inventory at the earliest possible date. The report stated that the inventory will provide necessary technical information and data not now available in the majority of the counties, and that such information is required both in road construction and in individual county planning.

The aerial photography section has continued the general supervision of all aerial survey contracts requested by Headquarters or by the districts. A library and "Index of California Aerial Photography" has been kept current throughout the year.

The Nation-wide Navigation Clearance Study to determine vehicular costs due to navigation requirements as requested by the Bureau of Public Roads, was completed by the Bridge Department and Planning Survey Section.

Work has been started in collecting maps, reports, and other materials pertaining to the natural resources of California. This material will be used in a survey of natural resource roads to be made by the Department of Public Works in accordance with 1953 Senate Resolution No. 18.

The drafting unit continued to prepare urban area maps; made revisions to county road system maps in accordance with the Collier-Burns Act of 1947; completed maps and illustrations for the metropolitan traffic studies in Fresno, Bakersfield, San Diego, and Stockton; completed a base map in nine sheets of the Los Angeles metropolitan area; and has nearly completed a similar set of base maps in 11 sheets of the San Francisco Bay area.

In cooperation with the Bureau of Public Roads, the local road finance report for 1952 was finished and the field work for the 1953 report completed. This report, prepared annually, shows the receipts and disbursements of cities, counties, and certain local districts for highway purposes. In 1952 regular reporting of street construction by special assessment districts was begun. Debt service on debt incurred for highway purposes, and parking meter receipts and disbursements are also reported.

The file of county finance reports begins with 1937; city reports start with 1948. The county reports have provided a handy source of information for inclusion in the county road inventory reports.

The road life and pavement cost study continues with about 4,400 miles recorded to date. This study, in cooperation with the Bureau of Public Roads, records the construction types and costs on the State Highway System, and remaining investments therein. Statistics on the average lives of various surfaces, reasons and methods of retirement, etc., will be available when the system is completed. Diagrams of each section showing date, type, and location of each improvement are one of the immediate results of the study.

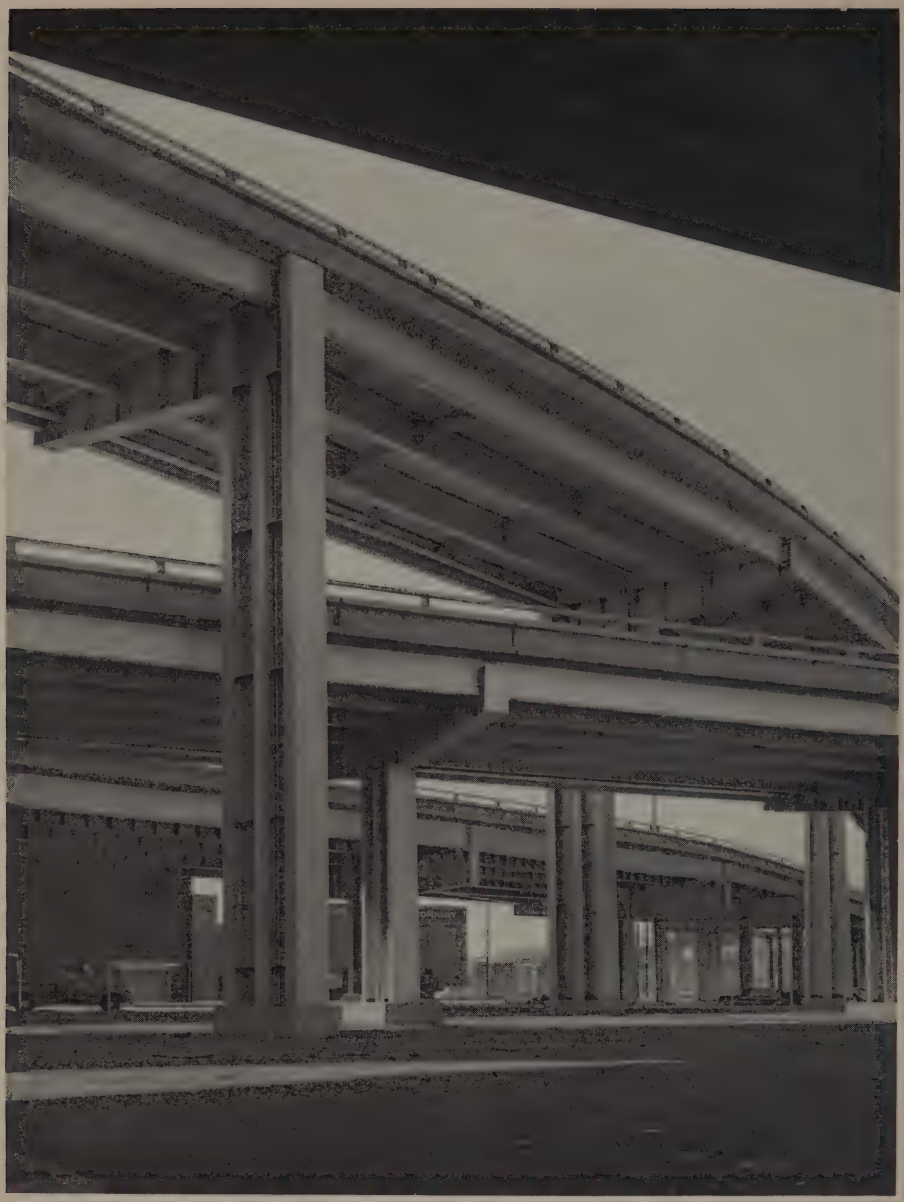
Buildings and Plants

The accelerated construction program to relieve the critical need of buildings and other plant facilities due to the expanded highway construction program, has been continued throughout the year.

During the year maintenance buildings at Truckee and Tahoe City, shop and maintenance buildings at San Bernardino, and alterations to the Public Works Building in Sacramento were completed. District office and laboratory buildings at Bishop and Eureka, and the district office building at Redding were under construction with completion dates scheduled in the fall of 1954. Shop, maintenance, and laboratory buildings in Stockton, and the laboratory building at Marysville were placed under construction.

The Division of Architecture completed design plans for the district office building at San Luis Obispo, and for a new wing to the district office building in Marysville. Design plans were well advanced for the district office and laboratory buildings at Fresno, for the district office building at Stockton, and the laboratory buildings at San Bernardino and Redding. Plans were also prepared for a headquarters shop building to replace the building destroyed by fire. Preliminary plan work was started for the headquarters laboratory building.

With the exception of ordinary maintenance and minor building improvements, the entire building program of the Division of Highways is being carried out in close cooperation with the Division of Architecture.



STEEL VIADUCTS in San Francisco for connections between Bay Bridge, Bayshore Freeway and 13th Street Viaduct. A federal aid project.

BRIDGES

As a result of increased revenue the Bridge Department program for the 1953-54 Fiscal Year was greatly increased over any previous fiscal year. The 1953-54 Fiscal Year State Highway construction budget included 315 structures estimated to cost $49,578,000, almost exactly twice that of the 1952-53 Fiscal Year. At the end of the fiscal year the value of going construction work under supervision of the Bridge Department was $71,748,000 and included 155 contracts. These figures include projects financed from previous budgets but not yet completed.

BRIDGE CONSTRUCTION COST

Bridge construction costs, as measured by the Bridge Department Cost Index (1939-40 = 100), dropped to a reading of 217 index points as of June 30, 1954. This value represents a net drop of 5.7 percent below the 230 index point reading of June 30, 1953, and is the lowest value since September 30, 1950. The drop in costs is attributable largely to a sizable curtailment in military defense construction and to the consequent increase in competition for other types of heavy construction. The cost index, as of the end of the 1953-54 Fiscal Year, appears to have stabilized within a range 215-225 index points or, in terms of percentage, within a range variation of about 5 percent.

BRIDGE PLANNING AND DESIGN

Foundation Investigations

Three field crews of the Engineering-Geology Section of the Bridge Department conduct detailed foundation investigations for bridge structures on the State Highway System. Two crews operate out of Headquarters and make studies for structures in the northern area, and one crew operates out of the Los Angeles office and makes studies for structures located in the 13 southern counties. Each crew is equipped with modern drilling, sampling and testing equipment which is sufficiently light and portable to insure access to all job sites. This testing apparatus enables the determination of practically all significant soil properties in the field.

Three complete sets of equipment for making full scale pile load tests have been used in conducting load tests on the various pile types in a wide variety of soil conditions during the past two construction seasons. This work will continue. The department recognized the

HARBOR FREEWAY in Los Angeles looking south from four-level structure. A federal aid project.

desirability of a widespread program of pile testing many years ago but it was not economically feasible until recently developed apparatus permitted the conduct of such tests at a fraction of their former cost.

Recommendations for greater unit design loads on piles have been justified as a result of adequate foundation investigation and the pile testing program. Design loads on piles have been increased an average of about 30 percent, with a corresponding decrease in number of piles required, as a result of this program.

Thorough soil studies and in-place bearing tests have shown that footing pressures may be calculated on a net additional soil load basis, rather than by means of the old gross soil load procedure. Adoption of this design practice has resulted in substantial savings in substructure costs of bridges supported by footing foundations.

The section is keeping abreast of improved technical developments in the field of foundation engineering, meanwhile handling the foundation problems of the greatly accelerated bridge program.

Advanced Planning

The Advanced Planning Section of the Bridge Department is charged with the responsibility of cooperating with the districts, Headquarters and other agencies in the advanced planning and programming stages of projects involving bridges, and coordinating the efforts of the Bridge Department in development of plans, specifications, estimates and other necessary steps until the time of advertising. The section has cooperated with the districts in advanced studies and prepared cost estimates to determine the most economical design on major improvements, such as projects where alternatives involve depressed section versus fill and overhead structures.

Preliminary Surveys and Reports

During the fiscal year preliminary reports providing information necessary for structure design were prepared for a total of 334 structures estimated to cost approximately $60,000,000. Included in these were preliminary reports for a number of unfinanced projects proposed for future budgets.

During the period covered by this report, this section reviewed and commented on 250 project reports and a number of supplemental project reports.

Design

The Design Section has completed its largest design program of any fiscal year to date. Contract plans, specifications and estimates were prepared for construction, widening or repairing 377 structures having an estimated cost of approximately $63,500,000. This figure includes approximately $10,000,000 worth of roadway approach work, plans for which were prepared in the several districts. Such a program requires the completion of contract plans, specifications and estimates for an average of 1½ structures per working day and a daily output of approximately $200,000 in structure value. Materials required in the

INDIAN CREEK BRIDGE on SSR 128 in Mendocino County

construction of these bridges will include approximately 44,000,000 pounds of structural steel, 79,000,000 pounds of reinforcing steel and 460,000 cubic yards of concrete. In addition to these budgeted projects, design was continued for projects which are not financed but which are planned for construction within the next several fiscal years.

The Design Section is continually in search of ways to improve the economy of bridge construction and at the same time provide greater safety and convenience to highway traffic. To further these ends considerable progress has been made in the design and development of prestressed concrete, precast concrete and all-welded steel structures.

Plans for six prestressed concrete structures were prepared during the fiscal year. Two of these, one a pedestrian overcrossing, the other a vehicular overcrossing, are to be continuous prestressed concrete design. The others are simple span prestressed concrete designs and consist of one pedestrian overcrossing, and three vehicular crossings. One of the vehicular crossings is a bridge across the Santa Maria River near Guadalupe. It is the largest prestressed concrete structure yet designed by the Bridge Department. The bridge will be 1,200 feet long and will require 120 precast, prestressed girders each 50 feet long.

Several designs have been prepared on the basis of precast concrete construction. The advantages of precast and prestressed concrete construction are several, among them being some saving in materials and less inconvenience to traffic due to the elimination of the need for falsework and the fact that a large amount of the construction work can be done away from the structure site.

Welded steel construction has been used on many highway structures such as the all-welded steel viaduct in San Francisco, the revamping of the Distribution Structure in Oakland, and for construction over railroad and highway traffic where construction falsework would be objectionable.

New techniques in the design and construction of bridges are constantly being studied by the department. As soon as they have been proven generally, the aim is to take advantage of such improvements, leading to the construction of more efficient and economical structures.

RAILROAD GRADE SEPARATIONS

State highway contracts completed during the fiscal year included the construction of 29 railroad highway grade separations and the widening of one existing separation. Seventeen of the separations constructed were on state highway routes, four were federal aid secondary projects on county roads and eight carried a city street over or under a railroad where state freeway construction necessitated a change in street grade. Twenty-five additional railroad separations are under construction and four are being widened in state contracts under way on June 30, 1954.

Of the 29 separations completed during the year, 11 resulted in the closing and abandonment of an existing grade crossing. All of the 11 structures were on federal aid projects and in each case, the railroad contributed to the cost in accordance with the 1944 Federal Aid High-

HUER HUERO CREEK BRIDGE on SSR 41 in San Luis Obispo County

OVERCROSSINGS on Oceanside Freeway in San Diego County. A federal aid project.

way Act. At one location a new freeway was constructed across the site of a future railroad line and the railroad, by agreement, contributed 50 percent of the cost of a separation constructed by the State. In addition to the state work, one separation was constructed by the railroad, at its own cost and expense, for a new railroad crossing of an existing state highway. Of the 25 separations under construction on June 30, 1954, two will result in the closing of existing grade crossings; both are financed with federal aid funds and the railroad will contribute 10 percent of their cost.

On June 30, 1953, there were 309 railroad crossings at separated grades on the State Highway System. Seventeen separations were completed under state contracts during the year, two of which replaced existing separations, and one separation was constructed by the railroad, making a total on June 30, 1954, of 325 railroad separations on state highways. Eight grade crossings were eliminated from the State Highway System during the past year by the construction of separations and seven will be eliminated by the separations still under construction on June 30, 1954.

Eight contracts for painting or minor repairs on existing separation structures were completed during the year.

RAILROAD GRADE CROSSINGS

The Bridge Department maintains records of all railroad grade crossings on the State Highway System, including existing protection, traffic and accident records.

A priority list is kept of crossings in need of automatic protection and negotiations with the railroads for installations are begun as rapidly as the needs become urgent and the funds can be budgeted.

During the past fiscal year work was under way, or new contracts were started, for a total of 104 state highway and federal aid secondary projects involving construction, alteration or addition of protection at railroad grade crossings.

The apportionment of cost for railroad grade crossing projects financed with state funds is determined from a chart prepared by agreement between the Division of Highways and the major railroads of the State. With the parties in agreement as to work to be done, the chart greatly simplifies negotiations with the railroads and the securing of Public Utilities Commission approval. For automatic protection projects financed with federal aid secondary or other federal funds, cost is apportioned on the basis of 90 percent federal and 10 percent railroad funds.

During the year, 25 grade crossings on state highways were closed or abandoned by changes in highway alignment, construction of grade separations or abandonment of railroad tracks, and one new grade crossing was opened, making a total of 849 crossings on state highways on June 30, 1954.

The following is a tabulation of the railroad grade crossings on the State Highway System:

Railroad grade crossings on State Highways	*As of 6-30-53*	*Net decrease 1953-54 F.Y.*	*As of 6-30-54*
Main and branch lines	628	11	617
Spur and other tracks	246	14	232
Totals	874	25	849

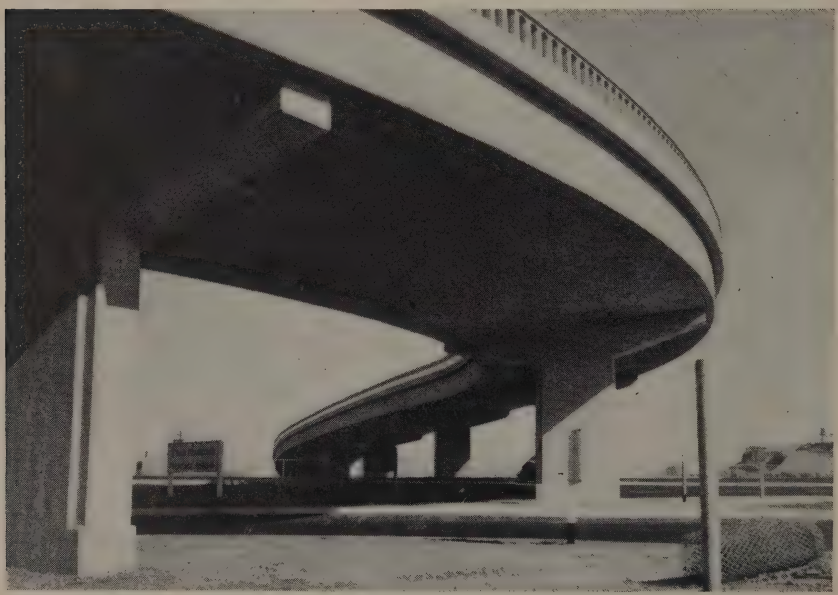
The following is a tabulation of the protection at state highway crossings as of June 30, 1954:

Type of protection	*As of 6-30-53*	*Added during year*	*Removed during year*	*As of 6-30-54*
Flashing lights and automatic gates	7	7	–	14
Flashing lights	177	14	–	191
Wigwags	206	–	17	189
Traffic lights at intersection of road and railroad with highway	46	–	3	43
Total automatic protection	436	21	20	437
Manual gates	7	–	1	6
Flagmen	10	–	2	8
Crossings have fixed signs, nonreflectorized	53	1	–	54
Crossings having fixed signs, reflectorized	350	–	22	328
Crossings without signs of record	18	–	2	16

The 21 automatic protection projects completed during the year cost $227,000, of which the railroads paid $101,600.

Six FAS projects for the installation of automatic protection at grade crossings on county roads in the FAS system were completed and 12 were initiated during the past year.

PARALLEL BRIDGES across San Lorenzo Creek on SSR 17 in Alameda County. A federal aid project.



SAN QUENTIN WYE separation structure in Marin County. A federal aid project.

SPECIAL STUDIES

This section of the Bridge Department handles special problems and research work involving engineering and economic problems beyond the regular routine assignments. Many of these special projects require cooperation with, and in some cases depend upon, work done by other interested agencies.

The section has been active during the past year on the following work of a more or less continuous nature: revision of AASHO bridge design specifications; working with national committees on matters that affect bridge design and construction; and miscellaneous studies such as navigation clearance requirements, load limits, and furnishing structural data and costs in connection with highway planning studies.

Important special reports in progress during the past year were:

Studies for a proposed toll tube crossing Los Angeles Harbor from San Pedro to Terminal Island in accordance with Chapter 1475, Statutes 1953.

Studies covering the future use of the Bay Bridge Railway in accordance with a resolution of the California Toll Bridge Authority, dated July 1, 1953.

Initial studies in connection with Assembly Concurrent Resolution No. 5, relative to the construction of a toll or other bridge across Carquinez Straits between the Cities of Benicia and Martinez.

Work on these projects is being continued in the next fiscal year.

Bridge Research

This section has continued independent and cooperative studies described in previous reports, particularly in the fields of hydrology, culverts, bank protections, underpass drainage, drainage law, curbs and guard rails, flood economics, pipeline hazards, and navigational requirements.

Cooperation with the Highway Research Board is maintained through participation on standing committees on surface drainage of highways and on bridge design; with the American Society of Civil Engineers by participation on a subcommittee of the Committee on Floods; with other offices of the Division of Highways through the Joint Bank Protection Committee and special committees studying curbs and guard rails from safety viewpoints. The Bridge Research Section is represented in activities of the American Geophysical Union, International Association of Hydraulic Research and International Society of Soil Mechanics and Foundation Engineering. The section cooperated during the year with several districts, the U. S. Geological Survey and the Soil Conservation Service in selecting sites for crest stage gages on minor waterways.

The determination of hourly precipitation-intensity frequency for design of culverts, underpass pumps and highway-surface drains has been revised by analysis of much new basic data which became available after a serious lapse in publication policy. Reprinting of a revised edition of California Culvert Practice has been deferred until completion of this analysis.

ERECTING WEST GIRDER on Dominguez Street Underpass in Los Angeles County. The girder is 128 feet long, weighs 117 tons and has a depth of 13 feet. A federal aid project.

At the end of the year, a study of performance of concrete pipe culverts under high fills placed by both Methods A and B was initiated cooperatively with a consultant for the Bureau of Public Roads, and with the American Concrete Pipe Association. There has been much interest in other states in our use of Method B (essentially a cushion zone of loose backfill directly over the barrel) to extend heights of overfill above reinforced concrete pipe and arches.

BRIDGE OPERATIONS

Approximately $43,500,000 in structures and structure contracts were completed during the 1953-54 Fiscal Year, which is more than twice that of the previous fiscal year. Part of this increase is due to increased revenue and part is due to the completion of large contracts started within the last few years.

San Francisco-Peninsula Freeways

In the seventh year of construction of the Bayshore Freeway a new leg of this route was completed from the Army Street Interchange to the off-ramps at Bryant Street. This provides an unbroken stretch of freeway from Alemany to Bryant Street for a distance of approximately three miles. About 0.7 of a mile of this freeway is on elevated structures. Several major construction contracts are now under way to complete the elevated freeway to a connection with the Bay Bridge approach and to provide connections to the downtown area of San Francisco. Work also continued on a group of separation structures

between the south city limits of San Francisco and Alemany Street. In San Mateo the Third Avenue Interchange was completed and opened to traffic.

East Bay Freeways

Work was completed on the Posy Tube Overcrossing in Oakland eliminating a serious bottleneck at the intersection of Harrison Street and the one-way Seventh and Eighth Streets and extending the Eastshore Freeway deeper into the downtown Oakland area. At the distribution structure, on the approach to the San Francisco-Oakland Bay Bridge, a contract was started for expansion and modification which will double the traffic capacity and eliminate cross-weaving traffic at this interchange. A number of structures were completed on the Eastshore Freeway between Oakland and San Jose. Two contracts were under way for a total of 15 structures on the new connecting freeway between the Eastshore Freeway and Dublin.

Sacramento Area Freeways

Structures were completed on the new West Sacramento Freeway between the Yolo Causeway and the Tower Bridge. The freeway was opened to traffic on June 15, 1954. Contracts were nearing completion for structures on the Elvas Freeway between the Sacramento city limits and the connection with the North Sacramento Freeway. Two contracts were under way which include a total of 12 structures on the freeway extension from North Sacramento to east of Roseville.

ERECTING GIRDER FOR 13TH STREET viaduct superstructure across 13th Street at Bryant Street in San Francisco

NEW TUNNEL UNDER CONSTRUCTION on Waldo Approach to Golden Gate Bridge in Marin County

Los Angeles Area Freeways

During the past year structures were completed at the junction of the Hollywood Freeway with Cahuenga Boulevard. This completes all the structures on the Hollywood Freeway from the Civic Center in Los Angeles to Lankershim Boulevard.

All structure work on the Santa Ana Freeway has been completed or is in progress, to as far as the Orange county line. The freeway has been completed through the City of Santa Ana from Broadway to First Street and work is in progress southeast of that city from First Street to Browning Avenue.

Structures for the Ramona Freeway have been completed as far east as Rosemead Boulevard and more structures have been completed or are under construction through the Cities of Pomona, Claremont, Upland and Ontario.

A number of contracts have been completed or are in progress for structures on the Los Angeles River Freeway. One structure of interest in this vicinity is the Dominguez Street Underpass which permits the freeway to go underneath the intersection of two railroad lines.

Structures have been completed on the Harbor Freeway from its intersection with the Hollywood Freeway south to Washington Boulevard and contracts are under way for structures extending the freeway south to 42d Street. A contract was recently awarded which includes structure work at the south end of the Harbor Freeway from Battery Street to the Pacific Coast Highway.

On the Colorado Freeway at Pasadena the new bridge across the Arroyo Seco was completed and opened to traffic. Construction also has started on the Foothill Freeway in the vicinity of Devil's Gate Dam to pass the congested Arroyo Seco Canyon, a bottleneck which has continually grown worse during peak traffic hours. When completed, it will be a major step in the solution of some of the traffic problems of the north central Los Angeles area.

San Diego Area Freeways

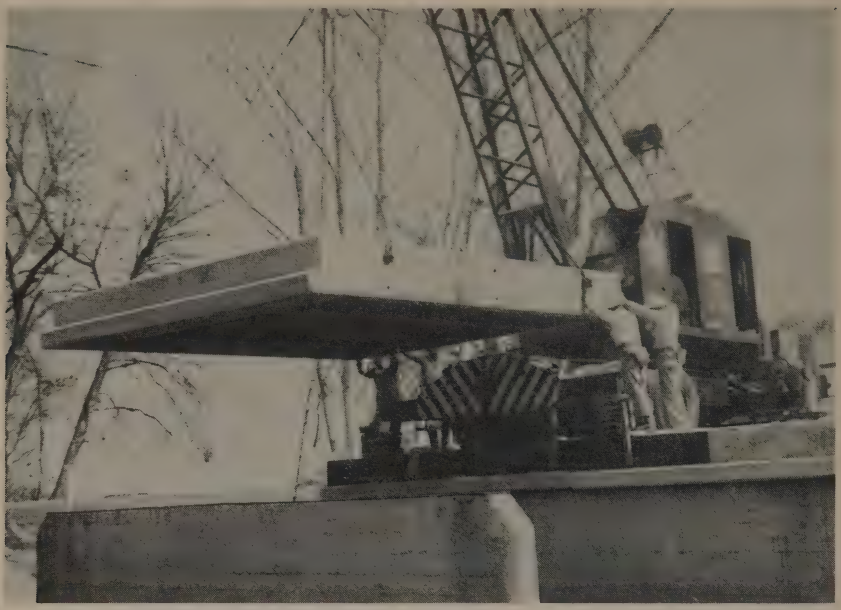
On the San Diego freeways, work is in progress from 0.3 mile south of Nestor Avenue to the Mexican Border. This contract will complete structure work between the City of San Diego and the Mexican border. Structure work is also in progress on the Coast Route north of San Diego in the vicinity of Balboa Avenue.

Structure Work in Other Areas

At Petaluma contracts are under way which include structures for the new Petaluma "Through Route."

Work continued on the new bridge across Ten Mile River north of Fort Bragg on Sign Route 1. A contract was completed for the widening of nine bridges on US 99W between Corning and Willows and contracts were started for widening seven more structures between Willows and Williams. Work continued on the widening of the bridge across the Sacramento River at Dunsmuir. Several structures were completed for the new route through Placerville and another contract was started for eight additional structures.

GENERAL VIEW OF CONSTRUCTION on new parallel spandrel arch bridge across Sacramento River at Dunsmuir. A federal aid project.



PLACING PRECAST PANEL SPAN on Kings River Overflow Bridge in Fresno County

CHIPPING SLOTS to allow cable removal on a precast section of the bridge across Middle Fork of Cottonwood Creek in Shasta County

On US 99 through the San Joaquin Valley work was started or continued on structures for freeways through Manteca, Fresno and Tulare. The completion of the widening of the Merced River Bridge, just north of Livingston, eliminated a serious bottleneck on this important highway. Along the coast progress was made on structures for freeways in the Salinas, San Luis Obispo and Carpinteria areas.

FEDERAL AID SECONDARY BRIDGES

The federal aid secondary highway program is administered by separate organizations as discussed elsewhere in this report. An engineer from the Bridge Department is assigned as a representative to assist and advise in all bridge matters relating to the county road portion of this program. During the past fiscal year that portion of the federal aid secondary program in which the Bridge Department was involved consisted of 18 bridge contracts under way for 31 bridges at an approximate construction cost of $2,180,000. In addition, construction of five bridges was under way in five road contracts at an estimated construction cost for structures of $435,000.

The county engineering staffs designed and prepared plans for 20 of these contracts and construction engineering was performed by the counties on 19 of the contracts. This construction work was carried on in 16 different counties under the general supervision of state engineers.

UNDERSIDE DETAIL on precast concrete bridge across Middle Fork of Cottonwood Creek in Shasta County

BRIDGE MAINTENANCE

Periodic field investigations of the 5,047 bridges on state highways were continued by the Bridge Maintenance Section in order to fulfill their responsibility for keeping the structures in a safe and serviceable condition. Reports were made covering the investigation of the bridges, capacity ratings were reviewed and kept up to date and, when necessary, recommendations were made for repairs and minor improvements. Bridge maintenance work and repairs, not including painting, cost approximately $375,000 during the 1953-54 Fiscal Year. Work in the nature of minor bridge improvements was performed at a cost of $220,000.

Two additional structures on the State Highway System were posted for reduced loads and one for restricted speeds during the fiscal year. New construction made possible the dropping from the posted bridge list of 12 structures with load postings and 13 bridges with speed postings. On June 30, 1954, there were 23 bridges on state highways posted for reduced loads and 81 for restricted speeds.

As required by law, upon the request of proper local authorities, engineering investigations were made on 135 city and county bridges for the purpose of establishing the safe load capacity of the structures. A posting for reduced load or speed was required on 62 of the structures.

The Bridge Maintenance Section continued with the compilation of bridge records, reviewing overload permits, preparing railroad grade crossing reports, furnishing data for bridge replacement programs and rendering engineering assistance to other State agencies and political subdivisions.

The accompanying list of bridges includes all structures on the State Highway System including the San Francisco-Oakland Bay Bridge. Structures having assorted types and lengths of spans are shown by number and length on the basis of the main span, but areas have been segregated and appear under the various type headings. Areas of bridges are based on the clear width of roadway between curbs plus the clear sidewalk widths. (See accompanying tabulation.)

BRIDGE MAINTENANCE PAINTING

During the past fiscal year 12 contracts were initiated for the cleaning and painting of 24 bridges at a cost of approximately $235,000.

In collaboration with the Materials and Research Laboratory large scale field applications of experimental paint types, paint combinations and application techniques were continued. These included the application on entire structures of metalizing process coating and synthetic resin paint systems. These latter paints appear to give excellent results in laboratory tests and it is felt they will prove effective in combating the extreme corrosion conditions to which coastal structures are subjected.

The use of experienced painters as resident inspectors on all maintenance painting contracts and most construction contract painting has resulted in higher quality paint work on structures. The specifying of paint film thickness as the basic painting control and the use of magnetic type meters for measuring paint thickness have proven successful in producing more uniform and effective protective coating.

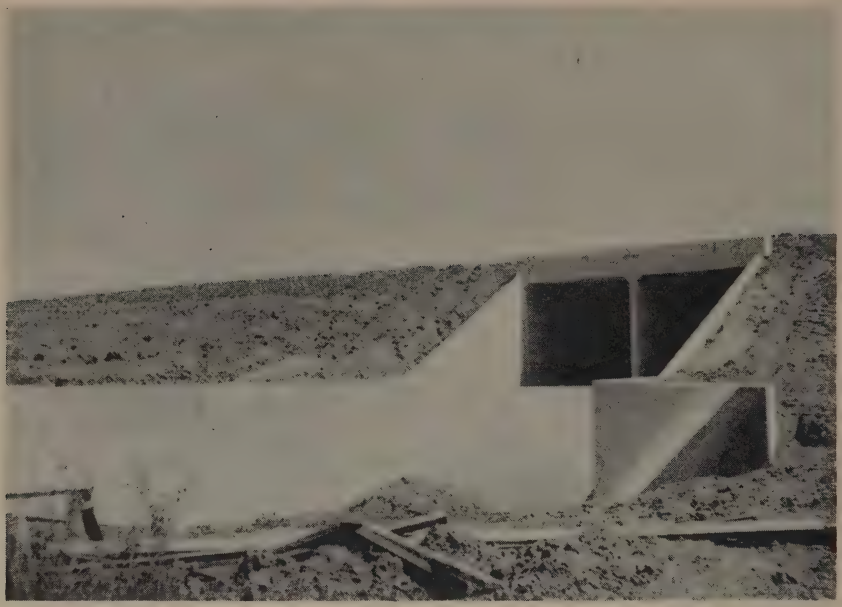
BRIDGES ON THE STATE HIGHWAY SYSTEM SEGREGATED AS TO NUMBER, LENGTH, AND AREA, BY STRUCTURE TYPE

(As of June 30, 1954)

Structure type	*Number* 1953-54	*Number* 1952-1953	*Length (feet)* 1954	*Area (sq. ft.)* 1954
Concrete arch	266	264	43,585	956,114
Concrete girder	1,042	990	172,053	9,151,346
Concrete slab	1,789	1,710	102,032	3,711,324
Masonry arch	42	42	1,380	29,575
Subtotal concrete and masonry	3,139	3,006	319,050	13,848,359
Steel arch	5	5	1,708	26,644
Steel plate girder	106	109	84866	1,959,984
Steel stringer	281	269	67,544	2,849,889
Steel deck truss	32	31	24,177	1,195,021
Steel pony truss	43	43	15,624	209,834
Steel through truss	87	90	116,011	1,507,873
Suspension	2	2	15,097	884,145
CMP multiplate and arch	56	55	1,141	40,240
Subtotal steel	612	604	326,168	8,673,630
Timber arch	4	5	1,025	9,856
Timber stringer	813	850	65,259	3,065,475
Timber deck truss	19	20	5,412	63,670
Timber pony truss	9	10	917	14,077
Timber through truss	4	4	1,060	22,306
Subtotal timber	849	889	73,673	3,175,384
Total bridges	4,600	4,499	718,891 (136 mi.)	25,697,373 (590 acres)
Underpasses	166	163		
Overheads*	115	106		
Combined bridge and overhead *	32	33		
State highway separations *	57	44		
Road undercrossings*	220	138		
Road overcrossings	181	129		
Pedestrian undercrossings*	117	117		
Pedestrian overcrossings	33	23		
Cattle passes*	72	92		
Tunnels	18	17	12,646	
Retaining walls	10	10	9,738	
Miscellaneous	39	34	2,024	9,888
Total structures	5,047	4,875	743,299	25,707,261
Railroad grade crossings	849	874		

* Separations so noted are listed under structure type above.

NOTES: Two underpasses, five overheads and one bridge and overhead also serve as state highway separations, and two tunnels serve both as underpasses and state highway separations.



DRY CREEK CULVERT on SSR 41 in San Luis Obispo County

GETTING THE "BEAR FACTS" of bridge construction at Anderson Creek in Shasta County

SAN FRANCISCO-OAKLAND BAY BRIDGE
SAN MATEO-HAYWARD AND DUMBARTON BRIDGES
CARQUINEZ BRIDGE

OPERATION AND MAINTENANCE

San Francisco-Oakland Bay Bridge

Traffic and Revenue. The total number of vehicles which crossed the San Francisco-Oakland Bay Bridge from July 1, 1953, to June 30, 1954, inclusive, was 31,683,570. This established a new high record for vehicular traffic on the bridge and represented a gain of 2.61 percent as compared to the 30,877,808 vehicles of the preceding fiscal year. The daily average for the year was 86,804 vehicles.

Because of a strike of Key System employees, there was a complete cessation of interurban train and bus service over the bridge between July 24, 1953, and October 7, 1953. One immediate result of this situation was an increase in vehicular traffic which broke all previous records. A new high record for average daily traffic was made with 96,464 vehicles per day in September, while on the eighteenth of the same month a new high figure of 109,035 vehicles for a single day's traffic was established.

The Key System strike and the general drop in patronage of interurban passenger service, which has prevailed for several years, are reflected in the fact that a total of only 9,217,830 toll-paying interurban train and bus passengers crossed the bridge during the fiscal year. This represents a decrease of 40.46 percent when compared to the 15,481,950 passengers of the preceding year.

The revenue derived from vehicular tolls, interurban train passenger tolls, rents, interests, and miscellaneous services (exclusive of collections for roadside and tow services) was $10,183,097.71. This was an increase of $170,449.08 as compared to the revenue of the previous fiscal year.

No change in toll rates was made during the year. Plans for the improvement of the road connections to the bridge on Yerba Buena Island were completed and bids on this project were opened just before the close of the fiscal year. Plans for the lower-deck traffic lane lights and for the toll plaza expansion were nearing completion at the end of the fiscal year.

Bridge Maintenance. The bridge painting force consisted of two foremen, six leadmen, and an average of 53 painters, two laborers, and four highway equipment operator-laborers, which represented a personnel increase of 4.7 percent above the crew of the preceding fiscal year. There was an increase in the availability of recruits for the painting crew and the list of eligibles established in the spring of 1954 was the second largest since 1937. The painters are divided into two crews—one for the West Bay Crossing and suspension bridge, and one for the East Bay Crossing and cantilever bridge.

The activities of the West Bay crew were concentrated on painting Towers W3 and W2, and on the lowerdeck floor system and the upper-deck floor system of Span W2, where both upper-deck travelers were located for work on portions that were originally painted in 1936 under construction contracts.

The East Bay crew completed painting the upper-deck floor system on the Yerba Buena Spans. Two West Bay truss web scaffolds were remodeled and work started on the webs of the Yerba Buena spans. Other locations of work were three lower-deck floor system scaffolds, one upper-deck scaffold, and two truss web scaffolds, all on the 288-foot spans. A spot painting crew was started on the overhead structure of the cantilever.

Under the direction of the Bay Bridge staff, the Carquinez paint crew steam-cleaned the timber bridge railing on the Napa River Bridge at Vallejo, X-Sol-208-A. This was a cooperative project with District X, instituted by the Bridge Department to determine whether the experimental paint on the bridge rail could withstand steamcleaning.

Steam cleaning equipment also was furnished to District IV maintenance forces for cleaning the Funston Avenue Tunnel in San Francisco.

The total amount expended on general paint maintenance on the Bay Bridge was $484,141.74.

The contract for the replacement of underground electrical control cable, between the Toll Plaza and the east end of the bridge, which had progressed slowly during the preceding year because of unanticipated difficulties was completed in August, 1953.

The contract for the repair of tile lining in the Yerba Buena Island Tunnel, which was awarded shortly before the close of the preceding fiscal year, was completed in September, 1953.

The contract for the repair of a portion of the timber fender on Pier W-3, which had been awarded just prior to the close of the previous fiscal year, was completed in November, 1953.

Shortly before the end of the fiscal year, a contract was completed for the fencing of an additional area, near the Wood Street paint yard in Oakland, to be used by the East Bay paint crew for storage purposes.

Recent construction work performed by the Board of State Harbor Commissioners on Harbor Piers 24 and 26 in San Francisco made it necessary for the Bay Bridge organization to enter into a contract for the repair of the automatic sprinkler fire protection system on these two piers which is the property of the bridge and was installed especially for its protection. This contract was completed just before the end of the fiscal year.

As in previous years, continuous inspection of the bridge structure was provided by employees who are specialists in such work.

Emergency Road Service. The continued large volume of vehicular traffic made it necessary to maintain emergency road services at a high level with services available 24 hours a day. The emergency fleet consisted of five tow trucks (including a heavy-duty truck), four special bridge service pickup trucks operated in periods of peak traffic, and a fire truck. The emergency services were subjected to unusually heavy demands during the period of the Key System strike.

Traffic Studies. In accordance with established practice, semiannual counts of bridge vehicular traffic were made on Sunday and Monday, July 12 and 13, 1953, and on Friday and Saturday, January 15 and 16, 1954. Special counts and other traffic studies were made as specific

circumstances required, particularly during the period of the Key System strike.

Toll Collection. The continued large volume of traffic placed heavy demands on the toll collection department and necessitated keeping the toll collection service at a high level.

Audit of Accounts. The accounts of the San Francisco-Oakland Bay Bridge for the fiscal year ended August 31, 1953, were examined by independent auditors, in accordance with the requirements of the bond resolution, and were found to be in good order.

Tabulations. Data on bridge traffic, revenues, finances, maintenance costs, and operating costs of the San Francisco-Oakland Bay Bridge are shown in the accompanying tabulations (Tables I to V, inclusive).

TABLE I

SAN FRANCISCO-OAKLAND BAY BRIDGE—EXPENSE OF MAINTENANCE

(Paid from State Highway Fund)

Administration expense	$19,162.85	
Supervising engineer and staff	36,159.04	
Bridge structure, maintenance and repair	25,519.19	
Painting, maintenance and repair	484,141.74	
Roadway, fire and tow service	197,507.07	
Electrical energy, power and light	11,709.92	
Electrical and signal, maintenance and repair	80,964.22	
Administration building, maintenance and repair	11,803.47	
Roadway, maintenance and repair	53,657.32	
Shop and garage	14,642.03	
Accounting office, staff and supplies	24,656.93	
Bonding and burglary insurance	110.44	
Traffic engineering	13,192.04	
All risk insurance (premium refund)	—134.27	
		$973,091.99
Contract 52-15TC1, underground cable	$7,574.65	
Contract 53-15TC1, tunnel lining repair	3,973.08	
Contract 53-15TC2, fender repair, pier W-3	24,170.81	
Contract 54-15TC1, sprinkler system, piers 24 and 26	10,302.15	
		46,020.69
Total		$1,019,112.68

TABLE II

SAN FRANCISCO-OAKLAND BAY BRIDGE—EXPENSE OF OPERATION, ACCRUAL BASIS

(Paid from Bridge Revenue)

Administration expense	$29,279.04	
Supervising resident engineer and staff	3,295.04	
Administration building	26,309.57	
Toll collection	600,417.08	
Accounting office, staff, and supplies	104,094.93	
Auditing	2,748.05	
Non-rental inventory	875.50	
Bonding and burglary insurance	72.02	
		$767,091.23
Insurance		
All risk	$127,219.55	
Use and occupancy	14,369.52	
		$141,589.07
Total		$908,680.30

TABLE III

SAN FRANCISCO-OAKLAND BAY BRIDGE—FINANCIAL AND REVENUE ACCOUNT

Revenue

	Fiscal Year July 1, 1953 to June 30, 1954	Nov. 12, 1936 to June 30, 1954
Traffic tolls	$9,510,854.32	$120,167,650.81
Train passenger tolls	94,785.62	5,399,902.59
Total toll revenue	$9,605,639.94	$125,567,553.40
Rents from concessions	$177,626.73	$2,141,648.77
Investment and profit, reserve and maturity fund investments	399,831.04	1,651,108.43
Interest on time deposits	0.00	37,806.79
Over and short account	375.78	5,856.54
	$10,183,473.49	$129,403,973.93
Scrip suspense	—676.25	5,087.75
Insurance recovery—physical damage	0.00	50,000.10
	$10,182,797.24	$129,459,061.78
Balance June 30, 1953	19,121,740.16	0.00
Total revenue	$29,304,537.40	$129,459,061.78

TABLE III—Continued

SAN FRANCISCO-OAKLAND BAY BRIDGE FINANCIAL AND REVENUE ACCOUNT

Disbursements

	Fiscal Year July 1, 1953 to June 30, 1954	Nov. 12, 1936 to June 30, 1954
Interest paid on outstanding bonds	$394,666.67	$27,133,279.19
Bonds redeemed	2,000,000.00	69,677,000.00
Redemption premium on bonds redeemed	0.00	4,420,135.00
Premium on U. S. Treasury bonds	54,044.67	60,822.54
Discount on U. S. Treasury bonds	5,350.00	—228,890.62
C. T. B. A. expense	0.00	153,478.68
Special legal expense	0.00	25,000.00
Fiscal agents' expense	3,582.05	351,798.07
Transfer from American Trust Company (refinancing)	0.00	—107,643.26
Premium on sale of revenue bonds	—18,113.01	—18,114.01
Registration, paying and collection agents' expense	3,945.00	146,787.40
Use and occupancy insurance	0.00	268,903.17
All risk insurance	146,727.69	298,863.82
Counterfeits, mutilated coins and uncollectibles	15.53	1,754.33
From construction fund	0.00	—429,166.67
Miscellaneous revenue adjustments	0.00	20,525.25
Physical damage repair	0.00	50,500.10
Operation expense	764,519.85	1,684,229.84
Total disbursements	$3,354,738.45	$103,509,262.83
Funds on hand June 30, 1954		
Accounts receivable	$141,207.89	$141,207.89
Cashier's undeposited collections	66,389.43	66,389.43
Cashier's change fund	30,000.00	30,000.00
	$237,597.32	$237,597.32
Funds in hands of fiscal agents		
Anglo California National Bank	$2,044,529.96	$2,044,529.96
Bank of America, N. T. & S. A.	1,776,765.33	1,776,765.33
	$3,821,295.29	$3,821,295.29
Funds in hands of State Treasurer		
San Francisco-Oakland Bay Bridge operating account	$390,906.34	$390,906.34
Investments		
U. S. Treasury bonds	$21,500,000.00	$21,500,000.00
Total funds on hand June 30, 1954	$25,949,798.95	$25,949,798.95
Total disbursements and funds on hand	$29,304,537.40	$129,459,061.78

TABLE IV

SAN FRANCISCO-OAKLAND BAY BRIDGE CONSOLIDATED BALANCE SHEET AS OF JUNE 30, 1954

ASSETS AND FUNDS TO BE PROVIDED

Assets			
Current assets			
Cash			
Undeposited collections		$66,389.43	
Change fund		30,000.00	
Fiscal agent and subfiscal agents—Revenue fund		3,821,295.29	
State Treasurer			
Bond expense account	$178,142.86		
Operating account	390,906.34		
Construction fund—Series A Bonds	86,373.68		
Southern Crossing Engineering Fund—Series D Bonds	62,273.59		
		717,696.47	
			$4,635,381.19
Investments—U. S. Securities			
Fiscal agent—Revenue fund	$21,500,000.00		
Discount received and premium paid	—187,683.48		
Accrued interest	88,666.40		
		$21,400,982.92	
State Treasurer			
Construction fund—Series A Bonds	$6,986,550.00		
Southern Crossing Engineering Fund—Series D Bonds	1,447,375.50		
		8,433,925.50	
			29,834,908.42
Accounts receivable			141,207.89
Total current assets			$34,611,497.50
Credit account and lease deposits			55,266.00
Fixed assets			
Investment in bridge—Original construction fund			
Vehicular		$54,768,809.10	
Interurban		18,318,305.81	
Port of Oakland Overhead		443,508.44	
Approaches		6,519,848.91	
Improvements in facilities		474,861.62	
		$80,525,333.88	
Less retirements			
Vehicular	$106,766.06		
Interurban	3,399,003.31		
		3,505,769.37	
		$77,019,564.51	
nvestment in bridge—Series A Bonds			
Improvements in facilities		164,653.45	
Investment in bridge—Series D Bonds			
Engineering studies-plans			
Additional crossings	$1,490,382.99		
Southern crossing	1,464.48		
		1,491,847.47	
			78,676,065.43
Prepaid Insurance			
All risk physical damage		$21,329.38	
Use and occupancy		2,395.47	
			23,724.85
Funds To Be Provided			
Revenue required for retirement of bonds			20,000,000.00
			$133,366,553.78

TABLE IV—Continued

SAN FRANCISCO-OAKLAND BAY BRIDGE CONSOLIDATED BALANCE SHEET
AS OF JUNE 30, 1954
LIABILITIES, SURPLUS AND PROPRIETARY INTEREST

Current liabilities		
Expenses payable (clearing account)		$77,336.34
Deferred credits		
Auto scrip outstanding	$5,087.75	
Unamortized premium on bonds sold	16,668.01	
		21,755.76
Accrued liabilities		
Accrued interest on bonds		135,923.86
Liability for credit account and lease deposits		55,266.00
Fixed liabilities (see footnote)		
Outstanding bonds—Series A	$17,000,000.00	
Outstanding bonds—Series D	3,000,000.00	
		20,000,000.00
Revenue fund surplus		25,646,534.11
State's proprietary interest in bridges		78,676,065.43
Unexpended bond proceeds		
For construction	$8,568,135.16	
For non capital expenses	185,537.12	
		8,753,672.28
		$133,366,553.78

Footnote

Bonds authorized		$80,000,000.00
Unissued bonds—Series B	$25,000,000.00	
Unissued bonds—Series C	25,000,000.00	
Unissued bonds—Series Undesignated	6,000,000.00	
		—56,000,000.00
Revenue bonds issued		$24,000,000.00
Bonds retired from toll revenue		—4,000,000.00
Revenue bonds outstanding		$20,000,000.00

TABLE V

SAN FRANCISCO-OAKLAND BAY BRIDGE—CLASSIFICATION OF VEHICLES

Period	Automobiles, automobile trailers, and light commercial vehicles		Busses	Trucks	Motorcycles and tricars	Total toll vehicles	Free vehicles	Total vehicles
	Cash tolls	Commutes						
November 12, 1936, to June 30, 1952	252,087,835	28,314,283	6,512,043	*21,552,713	830,369	309,297,243	14,588,753	323,885,996
July 1, 1952, to June 30, 1953	24,181,924	2,550,209	449,574	2,542,216	41,345	29,765,268	1,112,540	30,877,808
July, 1953	2,166,379	214,718	34,951	222,526	4,905	2,643,479	99,726	2,743,205
August, 1953	2,406,976	198,709	21,106	217,418	4,354	2,848,563	95,284	2,943,847
September, 1953	2,340,865	211,253	23,171	219,040	4,629	2,798,958	94,976	2,893,934
October, 1953	2,207,730	238,483	35,290	230,377	3,741	2,715,621	99,055	2,814,676
November, 1953	1,943,256	220,964	33,987	208,135	2,455	2,408,797	86,046	2,494,843
December, 1953	2,029,702	232,360	34,932	218,415	2,882	2,518,291	93,594	2,611,885
January, 1954	1,884,935	230,409	33,140	198,888	2,088	2,349,460	88,614	2,438,074
February, 1954	1,820,210	220,048	30,133	189,437	2,584	2,262,412	83,104	2,345,516
March, 1954	1,970,053	266,720	33,798	226,455	2,550	2,499,576	96,843	2,596,419
April, 1954	1,968,129	251,612	33,180	217,239	3,786	2,473,946	92,356	2,566,302
May, 1954	2,030,973	236,669	33,800	210,126	3,976	2,515,544	87,222	2,602,766
June, 1954	2,047,807	230,808	33,846	224,047	4,147	2,540,655	91,448	2,632,103
Totals—July 1, 1953, to June 30, 1954	24,817,015	2,752,753	381,334	2,582,103	42,097	30,575,302	1,108,268	31,683,570
Totals since opening of bridge on November 12, 1936	301,086,774	33,617,245	7,342,951	26,677,032	913,811	369,637,813	16,809,561	386,447,374

* Includes truck trailers which were recorded as a separate vehicle prior to July 1, 1952.

San Mateo-Hayward and Dumbarton Bridges

Traffic and Revenue. The total traffic which used the San Mateo-Hayward Bridge from June 1, 1953, to June 30, 1954, inclusive, was 2,715,064 vehicles, and the toll revenue derived from this traffic was $1,050,385.60. For the same period the traffic on the Dumbarton Bridge was 1,200,947 vehicles with a corresponding toll revenue of $553,561.10. For the San Mateo-Hayward Bridge, the figures indicate substantial increases over the records of the previous year, both in traffic volume and in revenue. On the Dumbarton Bridge, although there was an increase in traffic, there was a slight drop in total revenue. This seemingly inconsistent situation results primarily from the fact that on Dumbarton Bridge there was an increase in the number of automobiles but a decrease in the number of trucks.

The load limit restrictions formerly in effect on the San Mateo-Hayward Bridge were removed effective November 10, 1953. This action permitted vehicles not exceeding the maximum weights specified by the Vehicle Code to cross the bridge. One of the observed results of this lifting of the previous restrictions was a shift of some of the heavier trucks from the Dumbarton Bridge to the San Mateo-Hayward Bridge. This shift of truck traffic was one of the factors contributing to the drop in Dumbarton Bridge revenue mentioned in the preceding paragraph.

No change in toll rates was made during the year.

Operation. The toll collection staff was maintained at the same number as in the preceding fiscal year. The turnover was very low and consisted of replacements for two toll collectors who resigned to accept more attractive employment elsewhere.

Lift span operation was continued on both bridges in the manner required by law.

Rehabilitation. Substantial progress was made, both by state forces and by contract, in carrying forward the rehabilitation program authorized in the bond resolution of July 27, 1951.

The state crew on the San Mateo-Hayward Bridge continued throughout the year with its work on the repair of the concrete spans of this bridge. On the steel spans of Dumbarton Bridge another state crew continued to completion in July, 1953, its program of rust removal, welding to compensate for the loosening of rivets, and caulking of the space between contact surfaces which had been forced apart by rust.

The contract for concrete span rehabilitation in the amount of approximately $100,000 on the San Mateo-Hayward Bridge which was awarded to a private contractor shortly before the beginning of the fiscal year was completed in November, 1953. The experience and information gained through this pilot contract were useful in the preparation of plans and specifications for a larger contract amounting to approximately $484,000 for a continuation of the same work which was awarded shortly before the end of the fiscal year.

Under another contract the replacement of the badly worn main counterweight ropes at the San Mateo-Hayward Bridge was completed in May, 1954.

Maintenance. The maintenance painting of the steel spans of Dumbarton Bridge, which had been continued from the preceding fiscal year, was completed in May, 1954, and the crew was transferred to the San Mateo-Hayward Bridge for similar work on the steel spans at this location.

The paint crew consisted of one foreman and five painters.

Audit of Accounts. The accounts of the San Mateo-Hayward and Dumbarton Bridges for the fiscal year ended August 31, 1953, were examined by independent auditors in accordance with the requirements of the bond resolution and were found to be in good order.

Tabulations. Data on bridge traffic and revenue, and on cost of operation, rehabilitation, and maintenance of the San Mateo-Hayward and Dumbarton Bridges are shown in the accompanying tabulations (Tables VI to XII, inclusive).

Carquinez Bridge

Maintenance. As in previous years, the structural maintenance of Carquinez Bridge, including the maintenance of marine and aerial navigation signals, was continued under the jurisdiction of the San Francisco-Oakland Bay Bridge staff. The premiums on the physical damage insurance carried on Carquinez Bridge and Antioch Bridge were included under the Carquinez Bridge maintenance work order. Roadway maintenance was handled by District X of the Division of Highways.

The principal item of maintenance during the year was the continued painting of the bridge structure. The crew handling this work consisted of one foreman, one leadman, and seven painters.

Because of the requirements of navigation, it is necessary to maintain a 24-hour watchman service at this bridge in order to keep navigation lights on at all necessary times and to operate fog signals whenever required.

The total maintenance cost during the year, including physical damage insurance premiums on Carquinez Bridge and on Antioch Bridge was $104,617.18 paid from the State Highway Fund.

Tabulation. Data on the maintenance expenses at Carquinez Bridge are furnished in Table XII.

TABLE VI

SAN MATEO-HAYWARD BRIDGE—CLASSIFICATION OF VEHICLES

Period	Automobiles, automobile trailers, and light commercial vehicles		Busses	Trucks	Motorcycles and tricars	Total toll vehicles	Free vehicles	Total vehicles
	Cash tolls	Commutes						
September 12, 1951, to June 30, 1952	1,327,972	111,056	1,204	*154,178	3,605	1,598,015	3	1,598,018
July 1, 1952, to June 30, 1953	2,033,378	129,144	2,755	239,129	5,397	2,409,803	0	2,409,803
July, 1953	200,961	9,958	102	19,422	1,138	231,581	0	231,581
August, 1953	218,561	9,476	151	19,869	663	248,720	0	248,720
September, 1953	186,262	10,092	59	18,859	371	215,643	0	215,643
October, 1953	174,679	11,332	152	20,532	336	207,031	0	207,031
November, 1953	204,034	11,011	476	18,400	251	234,172	0	234,172
December, 1953	192,111	10,647	350	18,847	178	222,133	0	222,133
January, 1954	158,935	10,373	153	17,178	147	186,786	0	186,786
February, 1954	160,503	10,007	80	16,335	230	187,155	0	187,155
March, 1954	193,646	12,861	385	20,922	204	228,018	0	228,018
April, 1954	216,244	11,846	478	20,878	722	250,168	0	250,168
May, 1954	224,158	11,697	426	21,254	733	258,268	0	258,268
June, 1954	209,695	11,090	173	23,770	661	245,389	0	245,389
Totals—July 1, 1953, to June 30, 1954	2,339,789	130,390	2,985	236,266	5,634	2,715,064	0	2.715,064
Totals since acquisition of bridge on September 12, 1951	5,701,139	370,590	6,944	629,573	14,636	6,722,882	3	6,722,885

* Includes truck trailers which were recorded as a separate vehicle prior to July 1, 1952.

TABLE VII

DUMBARTON BRIDGE—CLASSIFICATION OF VEHICLES

Period	Automobiles, automobile trailers, and light commercial vehicles		Busses	Trucks	Motorcycles and tricars	Total toll vehicles	Free vehicles	Total vehicles
	Cash tolls	Commutes						
September 12, 1951, to June 30, 1952	500,434	59,918	2,615	*164,484	947	728,398	201	728,599
July 1, 1952, to June 30, 1953	792,471	84,362	3,156	189,073	1,330	1,070,392	0	1,070,392
July, 1953	80,170	7,020	245	15,178	190	102,803	0	102,803
August, 1953	83,790	5,816	239	15,514	193	105,552	0	105,552
September, 1953	77,128	6,353	257	15,905	178	99,821	0	99,821
October, 1953	75,924	8,106	279	17,778	100	102,187	0	102,187
November, 1953	80,937	7,170	334	13,489	92	102,022	0	102,022
December, 1953	73,760	7,155	255	13,721	64	94,955	0	94,955
January, 1954	69,503	6,787	253	11,708	62	88,313	0	88,313
February, 1954	68,103	6,291	235	12,800	71	87,500	0	87,500
March, 1954	72,186	7,591	257	15,859	72	95,965	0	95,965
April, 1954	78,159	7,478	265	14,387	185	100,474	0	100,474
May, 1954	86,550	7,743	278	14,532	113	109,216	0	109,216
June, 1954	86,686	7,652	254	17,421	126	112,139	0	112,139
Totals—July 1, 1953, to June 30, 1954	932,896	85,162	3,151	178,292	1,446	1,200,947	0	1,200,947
Totals since acquisition of bridge on September 12, 1951	2,225,801	229,442	8,922	531,849	3,723	2,999,737	201	2,999,938

* Includes truck trailers which were recorded as a separate vehicle prior to July 1, 1952.

TABLE VIII

SAN MATEO-ALAMEDA BRIDGE ACCOUNT—FINANCIAL AND REVENUE ACCOUNT

	Dumbarton Bridge		San Mateo-Hayward Bridge		Totals	
	1953-54 Fiscal Year	Sept 12, 1951 to June 30, 1954	1953-54 Fiscal Year	Sept. 12, 1951 to June 30, 1954	1953-54 Fiscal Year	Sept. 12, 1951 to June 30, 1954
REVENUE						
Vehicular tolls	$553,561.10	$1,477,793.45	$1,050,385.60	$2,574,330.45	$1,603,946.70	$4,052,123.90
Non-operating income	—32.20	0.00	57.71	59.49	25.51	59.49
Proceeds of sales of property	0.00	1,705.00	0.00	6,250.00	0.00	7,955.00
Over and short	12.46	40.59	17.93	48.37	30.39	88.96
Counterfeit, foreign coins and uncollectibles	0.00	—4.50	—1.70	—8.01	—1.70	—12.51
Investment and profit—Reserve fund					5,760.00	7,530.95
					$1,609,760.90	$4,067,745.79
EXPENSES						
Operating expense (Table X)	$88,738.50	$223,462.53	$192,140.95	$477,059 56	$280,879.43	$700,522.09
All risk insurance	9,499.80	26,520.87	24,903.96	69,523.67	34,403.76	96,044.54
Use and Occupancy insurance	994.80	2,777.15	2,247.96	6,275.56	3,242.76	9,052.71
Rehabilitation costs (Table XI)	15,170.56	72,925.10	347,967.37	560,027.63	363,137.93	632,952.73
Fiscal agents expense					4,795.13	15,160.44
Interest on outstanding bonds					195,374.73	568,546.95
Redemption premium on bonds					6,108.75	6,108.75
Bonds retired from toll revenue					721,000.00	721,000.00
Discount on bonds retired					—1,550.00	—1,550.00
Total net expense charged to revenue					$1,607,392.51	$2,747,838.21
Excess revenue over charges					$2,368.39	$1,319,907.58

TABLE IX

SAN MATEO-HAYWARD AND DUMBARTON BRIDGES—CONSOLIDATED BALANCE SHEET AS OF JUNE 30, 1954

ASSETS AND FUNDS TO BE PROVIDED

Assets			
Current Assets			
Cash			
Undeposited collections	$12,785.58		
Change Fund	8,500.00		
Fiscal agent—Revenue Fund	347,898.77		
State Treasurer—Operating account	786,865.49		
		$1,156,049.84	
Investments—Fiscal agent—Revenue Fund			
U. S. securities	$256,000.00		
Discount	—8,640.00		
Accrued interest	236.00		
		247,596.00	
Accounts receivable		23,728.35	
			$1,427,374.19
Fixed Assets			
Investment in San Mateo-Hayward Bridge		$6,000,000.00	
Investment in Dumbarton Bridge		2,250,000.00	
		$8,250,000.00	
Less: Original bridge retirements			
San Mateo-Hayward Bridge	$6,250.00		
Dumbarton Bridge	1,705.00		
		—7,955.00	
Net investment in bridges		$8,242,045.00	
Rehabilitation expenditures (Table XI)			
San Mateo-Hayward Bridge	$583,938.36		
Dumbarton Bridge	72,925.10		
		656,863.46	
Acquisition cost		41,290.02	
			8,940,198.48
Prepaid insurance			
All risk physical damage		$7,167.46	
Use and occupancy		675.39	
			7,842.85
Funds To Be Provided			
Revenue required for retirement of bonds			7,629,000.00
			$18,004,415.52

LIABILITIES, SURPLUS AND PROPRIETARY INTEREST

Current liabilities		
Expenses payable (clearing account)	$46,138.20	
Bond coupons payable	2,427.50	
		48,565.70
Deferred credits		
Auto scrip outstanding	$1,252.30	
Unamortized premium on bonds sold	2,273.50	
		3,525.80
Accrued liabilities		
Accrued interest on bonds		63,217.96
Fixed liabilities		
Bonds authorized and issued	$8,350,000.00	
Bonds retired from toll revenue	—721,000.00	
Revenue bonds outstanding		7,629,000.00
Revenue Fund surplus		
Balance June 30, 1953	$1,317,539.19	
Excess revenues over charges for period (Table VIII)	2,368.39	
		1,319,907.58
State's proprietary interest in bridges		8,940,198.48
		$18,004,415.52

TABLE X

SAN MATEO-HAYWARD BRIDGE AND DUMBARTON BRIDGE—EXPENSE OF OPERATION

	Dumbarton Bridge		San Mateo-Hayward Bridge		Total	
	1953-1954 Fiscal Year	Sept. 12, 1951 to June 30, 1954	1953-1954 Fiscal Year	Sept. 12, 1951 to June 30, 1954	1953-1954 Fiscal Year	Sept. 12, 1951 to June 30, 1954
Administration expense	$3,744.17	$11,574.42	$9,354.08	$25,593.39	$13,098.25	$37,167.81
Supervising engineer and staff	242.80	2,231.95	1,110.32	1,587.04	1,353.12	3,818.99
Administration building	355.10	615.32	4,017.57	10,112.39	4,372.67	10,727.71
Toll collection	50,756.47	128,955.22	130,048.22	335,728.33	180,804.69	464,683.55
Accounting office, staff and supplies	10,619.99	24,738.41	17,080.98	40,575.99	27,700.97	65,314.40
Lift span operation	22,487.68	61,950.21	29,304.67	76,329.07	51,792.35	138,279.28
Nonrental equipment	0.00	1,324.72	23.26	4,789.55	23.26	6,114.27
Auditing	465.20	1,033.23	847.32	1,934.39	1,312.52	2,967.62
Supplies	59.89	1,508.63	335.32	4,575.07	395.21	6,083.70
Insurance—bonding and burglary	7.20	46.75	19.21	117.26	26.41	164.01
Total operation expense	$88,738.50	$233,978.86	$192,140.95	$501,342.48	$280,879.45	$735,321.34
Less: Portion applied against bond proceeds	0.00	—10,516.33	0.00	—24,282.92	0.00	—34,799.25
Totals	$88,738.50	$223,462.53	$192,140.95	$477,059.56	$280,879.45	$700,522.09

TABLE XI

SAN MATEO-HAYWARD BRIDGE AND DUMBARTON BRIDGE—EXPENSE OF REHABILITATION

	Dumbarton Bridge		San Mateo-Hayward Bridge		Total	
	1953-1954 Fiscal Year	Sept. 12, 1951 to June 30, 1954	1953-1954 Fiscal Year	Sept. 12, 1951 to June 30, 1954	1953-1954 Fiscal Year	Sept. 12, 1951 to June 30, 1954
Concrete repairs—day labor	$24.72	$24.72	$126,511.38	$326,718.51	$126,536.10	$326,743.23
Concrete repairs—contract	0.00	0.00	141,260.62	141,370.23	141,260.62	141,370.23
Mechanical and electrical	3,968.17	6,219.09	6,096.23	24,739.36	10,064.40	30,958.45
Steel repairs	4,194.76	33,421.57	0.00	0.00	4,194.76	33,421.57
Preliminary engineering—roadway	5,956.66	24,085.58	2,638.19	18,715.18	8,594.85	42,800.76
Toll Plaza	1,026.25	9,174.14	0.00	0.00	1,026.25	9,174.14
Dike repair	0.00	0.00	10,305.55	10,305.55	10,305.55	10,305.55
Cable repair	0.00	0.00	57,778.61	57,778.61	57,778.61	57,778.61
Signal equipment	0.00	0.00	14.61	948.74	14.61	948.74
Engineering building	0.00	0.00	3,362.18	3,362.18	3,362.18	3,362.18
Total rehabilitation expense	$15,170.56	$72,925.10	$347,967.37	$583,938.36	$363,137.93	$656,863.46
Less: Portion applied against bond proceeds	0.00	0.00	0.00	—23,910.73	0.00	—23,910.73
Totals	$15,170.56	$72,925.10	$347,967.37	$560,027.63	$363,137.93	$632,952.73

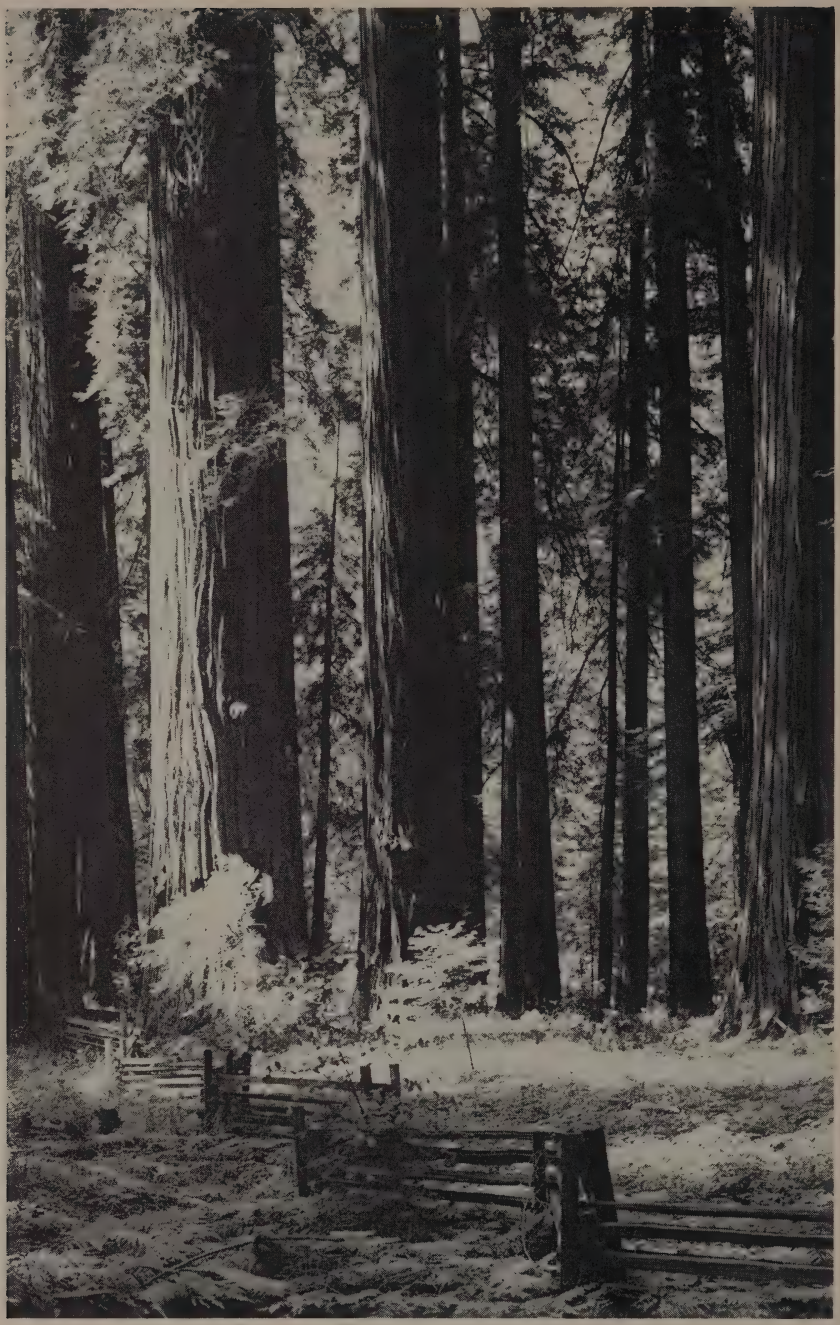
TABLE XII

CARQUINEZ, SAN MATEO-HAYWARD, AND DUMBARTON BRIDGES—MAINTENANCE EXPENDITURES, STATE HIGHWAY FUND

July 1, 1953, to June 30, 1954

	Carquinez Bridge	Dumbarton Bridge	San Mateo-Hayward Bridge	Total
Administration, engineering and accounting	$3,642.35	$4,593.85	$4,710.57	$12,946.77
Marine and aerial signals	13,161.67	0.00	0.00	13,161.67
Bridge structure	1,420.30	85.27	384.30	1,889.87
Roadway maintenance	0.00	1,859.75	1,185.29	3,045.04
Roadway emergency service	0.00	68.07	2,220.18	2,288.25
Painting	58,432.20	31,848.77	14,370.77	104,651.74
Building maintenance	6,320.82	429.00	4,678.77	11,428.59
All risk insurance	*21,639.84	0.00	0.00	21,639.84
Totals	$104,617.18	$38,884.71	$27,549.88	$171,051.77

* Includes $5,799.84 all risk insurance, Antioch Bridge.



GIANTS OF THE FOREST

PUBLIC RELATIONS AND PERSONNEL

The Public Relations and Personnel functions of the Division of Highways are divided into three sections: Public Relations, Personnel Management and Training, and Safety Education. They are under the supervision of an Assistant State Highway Engineer.

PUBLIC RELATIONS

Since the enactment of increased highway user taxes on July 1, 1953, public interest has been focused on the effectiveness and rapidity with which the Division of Highways has been able to translate the augmented revenues into usable highway improvements. Progress reports on the expanded highway construction program were requested by civic groups, industry, and others, and were supplied through many media, particularly news releases, talks, magazine articles, and television programs. These reports on state-wide progress were supplemented in many localities by special releases on the start of individual major construction projects, to emphasize on a local basis the stepped-up pace of highway work.

Public interest in the over-all highway problem in California also continued at a high level. Both within the State and on a national scale, summaries of the highway financing program and its historical background were sought by various agencies, organizations, and publications. To assist in supplying the most frequently sought information, a multigraphed brochure entitled *California Highways* was prepared, consisting of a concise statement of the State's highway problem, a report on freeways, and an explanation of California highway financing. This brochure is revised periodically as freeway mileage and other statistics change.

To an increasing extent, talks by division personnel before civic and club groups on highway matters have included visual presentation of color slides, charts, and filmstrips. Each district office now has a slide projector, with filmstrip attachment. Each district also has a growing collection of color slides illustrating highway work, with supplemental slides available as needed from the headquarters slide library.

Filmstrips now available for public showing include:

"Freeway Bypasses," issued in February, 1954, explaining the principal engineering and economic aspects of freeways.

"Highway Communications," completed in June, 1954, showing how two-way radio improves the efficiency of highway maintenance.

"Operation Snowflake," the snow removal story completed in 1952 but still in considerable demand.

Filmstrips on surfacing and paving projects currently in production are chiefly for in-service training purposes.

Slides and other transparencies have been used to illustrate the sources and distribution of highway revenue, the safety record on freeways, and the growing mileage of multilane freeways and expressways in California. The same material has been made available on charts for distribution to interested persons and groups.

Increased use was made of news releases to keep the public informed on highway matters of special interest and importance. Some of these releases were state-wide, distributed to approximately 700 newspapers throughout California, such as breakdowns of apportionments to cities and counties and an illustrated article on roadside development policy. News releases of primarily local interest included 112 releases on the establishment and revision of restricted speed zones. Other special news releases and articles issued from Headquarters Office numbered 78, of which 21 were illustrated with maps or photographs. Many of these were regional in interest, describing forthcoming construction projects of particular importance to some section of the State. These relases were in addition to the thousands of routine headquarters releases regarding bid openings, award of contracts, construction progress, and maintenance activities.

In addition, the California Highway Commission's policy of giving full advance publicity to route adoption proposals was further carried out during the year by a total of 128 separate releases to the press of the area concerned, including 54 sketch maps made available in print or mat form.

Information about individual highway projects, maintenance work, and traffic studies is being issued to a greater degree by the various district offices, most often in the form of news releases and newspaper interviews. Closer contact between the district offices and the newspapers has been beneficial in achieving fuller reporting of highway news throughout the State, which cannot help but make for broader public understanding of the work being accomplished with the highway tax dollar.

Photographs and captions were supplied on request to newspaper and magazine writers preparing articles on California highways. Mounted photographs, maps, charts, and script material were also made available for television programs in various cities.

For several years the daily road condition reports issued during the winter season by the Maintenance Department have proved to be extremely valuable to the motorists and commerce of California. During the past year this vital service has been improved by completion of the division's two-way radio system which now provides state-wide coverage and contact between field and office. Integration with commercial and private line teletype outlets has speeded the dissemination of up-to-the-minute road condition news to the press, radio, and affected industries and organizations.

An increasing number of letters from all over California and the Nation, seeking information of various kinds on state highway matters,

has been handled during the past year. In the district offices, telephone calls, interviews, and personal inquiries continued to be voluminous, particularly in connection with freeway routings and construction; every effort has been made to provide the fullest possible answer to each inquiry.

PERSONNEL MANAGEMENT AND TRAINING

Recruiting

While procurement of subprofessional employees in the engineering field was somewhat easier during the 1953-54 Fiscal Year, it was still necessary to recruit college graduates on a nation-wide basis. As a result, the State Personnel Board arranged to give its spring examination for junior civil engineer in 98 locations throughout the United States and in Hawaii. The nation-wide publicity which was used in connection with this examination was supplemented in California by personal presentations made by Headquarters and district representatives at the various colleges throughout the State.

Presentations of engineering opportunities were made to various high schools in cooperation with the Engineer's Council for Professional Development. In order to facilitate the hiring of under engineering aids for summer work, district lists were set up rather than the statewide lists which had been used previously. This change enables the various districts to easily obtain summer workers who have been recruited primarily from the local area.

For most nonengineering classes, the ordinary recruiting activities carried on in cooperation with the State Personnel Board proved to be sufficient, although at times temporary local shortages required more emphasis on newspaper advertising. One class which required special attention was assistant right-of-way agent. The necessity for considerable expansion at this level made it desirable to give the last examination for the class on a nation-wide basis.

Employment Statistics

The total number of employees in the division increased from 9,681 on July 1, 1953, to 10,267 on July 1, 1954. The distribution on the latter date was:

Engineering employees	4,860
Maintenance employees	2,940
Right of way employees	320
Equipment employees	425
Accounting, clerical, etc.	1,722*
Total	10,267

*These employees are assigned to all functions, including maintenance, right of way, etc.

Disciplinary Actions

During the 1953-54 Fiscal Year, a total of 31 employees were dismissed, of whom three were permanent and 28 were temporary. In addition, 27 employees were rejected during their probationary periods. One employee was given a disciplinary demotion, and 11 employees received disciplinary suspensions.

Service Awards

The presentation of certificates and pins to all employees having 25 years or more of state service was continued in accordance with legislative provisions. The total number of employees who attained eligibility for such awards during the 1953-54 Fiscal Year was 198. This brings the accumulated total for the Division of Highways up to 1,088, of whom 109 were retired prior to the date of award.

Retirement

The number of employees retiring from the Division of Highways during the 1953-54 Fiscal Year was 99, bringing the total to date up to 782.

Training

During the past year an inventory of the division's training activities has been conducted. The inventory was designed to find out what was being accomplished in the field throughout the division and what employees at all levels believed should be changed or modified. Training activities were found to vary somewhat from district to district. While some variation is unavoidable, it is felt that in some instances more standardization would be advantageous. Some modifications to accomplish this purpose are planned in the fields of indoctrination, rotation, and supervisory training.

As in past years, the short courses and conferences presented by the Institute of Transportation and Traffic Engineering of the University of California have been designated as official training activities of the Division of Highways. Some of our administrative employees have participated in the planning of programs, some employees have served as speakers or panel members, and a large number have attended as students. The subject of the last short course, which was given in all districts, was "Soils Engineering in Highway Practice."

Special courses have been developed and presented by several units. The Right of Way Department has continued its regular 12-week indoctrination course, which is now being given to all new agents in the fall of each year. Their present program also calls for a 6- to 12-week course for all agents to be given in the spring of each year. The subject is picked each year by the Right of Way Education Committee to fill a current need. The subject this last year was "Effective Communication."

The Equipment Department course on lubrication and preventive maintenance has been presented to a large number of maintenance and equipment employees in several districts. The portable trailer classroom has worked out very well, and all those who have had contact with the course are convinced it is helping to reduce equipment breakdown frequencies and improve the care given to equipment by both maintenance and shop employees.

Specialized courses and instruction manuals have been developed by various units in the districts to take care of local problems. In some

cases it is expected that the use of solutions developed can be expanded profitably to other units and other districts.

The use by division employees of courses presented by the State Personnel Board, by employee groups, and by local educational institutions has been encouraged at all times. Such courses have included preparation for the civil engineer's registration examination, general interest subjects, supervisory training, and many other subjects.

The veterans' on-the-job training program was continued during the year, but has now tapered off to where only one employee remains in the program.

SAFETY EDUCATION

Cooperative Activities

When the Safety Section was first activated, considerable time was spent on traffic safety education of organized public groups. Under the guidance of the National Safety Council, the Governor's Traffic Safety Conference, and others, much of the traffic safety education program of today is borne by these and other public supported organizations. The Safety Section has turned its attention primarily to the more than 10,000 employees of the division. Cooperation, however, has been extended by the Safety Coordinator to other state departments, to national efforts, and to educational groups in their traffic safety programs.

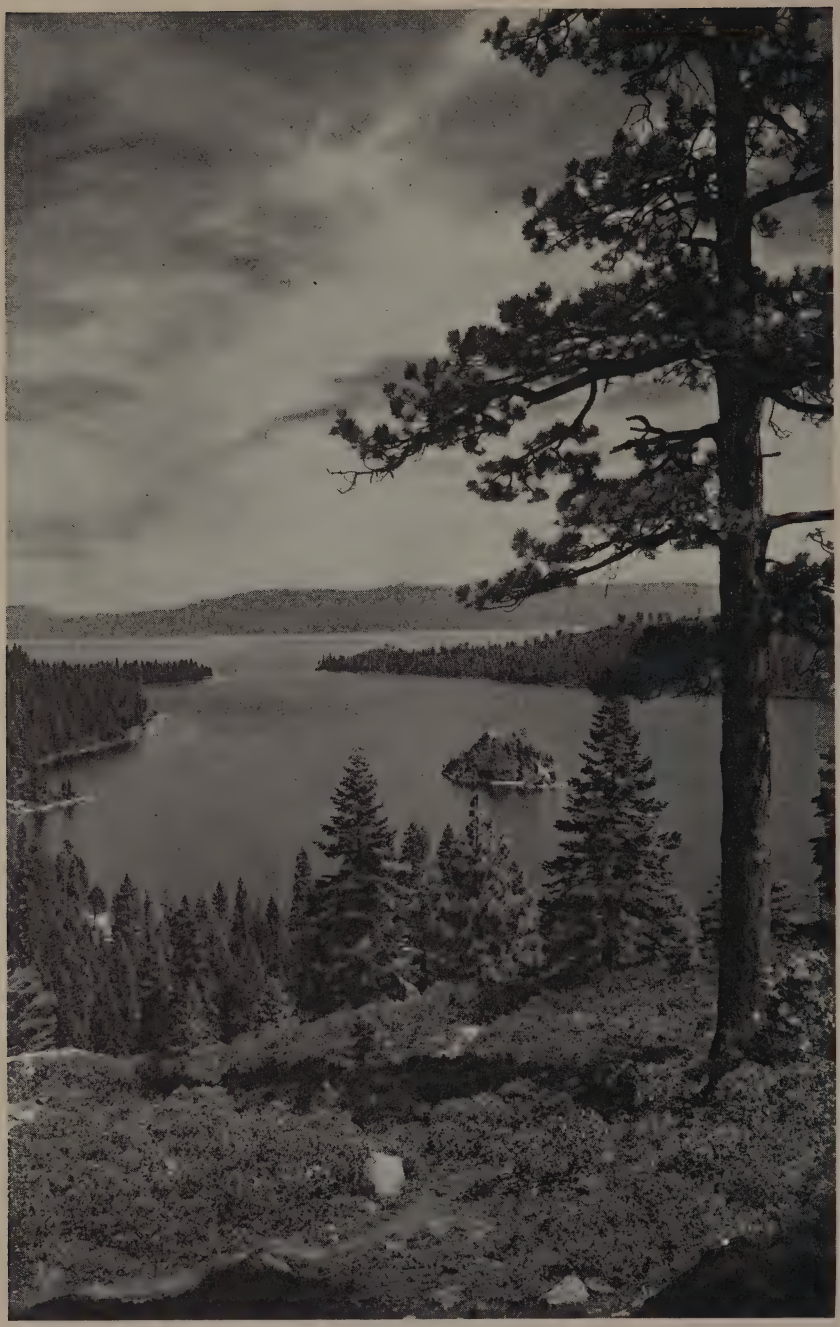
Active participation by the members of the Safety Section has been given to the State Employees' Accident Prevention Committee; to the Committee on Safety of Maintenance Personnel of the National Highway Research Board; to the Streets and Highways Committee of the Public Employees Section of the National Safety Council; to safety conferences, both industrial and traffic; and to other organized groups.

A mutual exchange of statistics, ideas, and methods of safety procedure, has been maintained with a number of other state highway departments. District safety supervisors have given assistance to local public groups as well as to schools and business organizations.

Employee Safety Program

The division has adapted its employee accidents prevention program to the needs of a growing organization. The districts and division accident prevention committees, established under the program inaugurated by the State Highway Engineer in 1950, have reviewed and examined all accident reports, determined responsibility, and have recommended corrective measures. In each of the division's 11 districts, on its state-owned toll bridges, in its Headquarters Equipment Department, Materials and Research Department, Bridge Department, and Service and Supply Department, a safety committee of top administrators is responsible to the district engineer or department head for the safety program.

At the headquarters level, the State Highway Engineer has appointed a Division Safety Committee to formulate the details of the program within the framework of which the district committees shall



EMERALD BAY at Lake Tahoe

operate, to review the monthly reports of the district committees and to advise with the district committees on problems presented. This committee also acts as a clearing house for ideas or suggestions which may be incorporated in the program and to perform the same duties as does the district committee in relation to accidents involving Headquarters personnel.

Operational details of the state-wide program are formulated and carried out through the Headquarters Safety Section. To implement the program in the districts, each district has a full-time safety supervisor and the departments have part-time safety supervisors. All committees meet monthly.

Occupational Accidents

National and industry-wide accident records, as well as other state highway department accident records, are maintained on a calendar year basis. California records are kept in like manner. The value of the division's employee safety program again was recorded in the figures of last calendar year wherein the accident frequency or the number of lost-time accidents per million man-hours of work was 13 percent below that of the previous year. Frequency for 1953 was 22.08; for 1952, it was 25.53. The drop in frequency has been 24 percent in the last five years and 47 percent in the last 10 years. Frequency for the first six months of 1954 was 19.01 as compared with 23.89 for the same period of 1953.

Motor Vehicle Accidents

Emphasis was placed during the past year on a reduction of motor vehicle accidents involving employees and state equipment. Vision testing was continued, and driver problems were included in the driver education program.

Over-all progress is reflected in frequency or recordable accidents chargeable to state drivers per hundred thousand miles of driving. In 1952, the frequency was 1.20, and in 1953 it had decreased to 1.03. Frequency for the first six months of 1954 was 0.82 as against 1.02 for the first half of 1953.

Employee Suggestion Program

The administration of the State Employees' Suggestion Program within the Division of Highways is handled by the Safety Section.

The program became active in December of 1950. From that date to June 30, 1954, Division of Highways employees presented 1,397 suggestions. For the fiscal year July 1, 1953, through June 30, 1954, 482 suggestions were received from Highways employees. Of these, 358 suggestions had application to the Division of Highways, 43 of which were given cash awards. These 43 suggestions, it is anticipated, will result in savings to the State of approximately $150,000 per year.

RIGHT OF WAY

Under supervision of the Chief Right of Way Agent, the Right of Way Department concluded 9,109 transactions during the fiscal year ending June 30, 1954. This involved a total expenditure, including overhead, of $84,286,156.99. The greater part of this expenditure represents right of way costs for highway purposes. The distribution of all expenditures is as follows:

Highway right of way	$76,637,253.58
Utility relocations (required to clear highway right of way)	2,022,586.91
Acquisition other than right of way (including lands purchased for other state agencies)	1,400,455.35
Overhead	4,139,462.40
Interest on deferred payments on condemnation judgments	86,398.75

In carrying on right-of-way clearance through a systematic procedure, it is necessary to lease occupied properties for sufficient time consistent with the highway construction program to enable the occupants to find other suitable housing, and then to sell the improvements for demolition or removal from the right of way to permit construction. The operation of this rental and leasing function and the subsequent sale of improvements and excess land produced a return to the State Highway Fund of $4,752,998.87.

The entire land acquisition expenditure and the return from sales and leases represent the administration of a total of $89,044,368.55 by the Right of Way Department, and was accomplished with an overhead cost of $4,139,462.40, or 4.65 percent of the total amount of monetary transactions.

The fiscal year's activities exceeded the 1952-53 Fiscal Year by 107.01 percent in moneys expended and 57.46 percent in transactions concluded. This was accomplished with a 17.94 percent increase in right-of-way personnel.

There are two distinct fields that, from an administrative standpoint, are barometers of the future success or failure in highway right-of-way acquisition. The first of these is the ratio of negotiated settlements to contested court cases. Of the 9,109 transactions completed during the fiscal year, 8,341 were acquired for highway right of way, 584 for utility relocations, and 184 for other uses or other state agencies; of the 8,341 right-of-way parcels, 8,181 were acquired by negotiation and 160 through proceedings in eminent domain. This represents 1.9 percent of the total acquisitions and an improvement of 0.4 percent over last fiscal year's record. It is significant that the speeding up of highway acquisition has not increased the percentage between amicably negotiated settlements and contested court cases.

The rapidity with which it has been necessary to acquire right of way in this past year, due to the expanded highway construction program, will continue and probably be further accelerated in the current year. This throws a great responsibility on the right-of-way negotiators and points up the value of establishing public confidence in the Division of Highways' land appraisal procedure. A yearly land acquisition program of the magnitude just completed could not be accomplished by the use of bargaining methods usually employed in the real estate field. The people of the State are becoming progressively aware of the undeviating policy of the Division of Highways' Right of Way Department to pay each and every property owner, from whom land is acquired, the fair market value of the land and improvements required. Every completed project gives further concrete evidence of the advantage of this policy. In the past year, 85 percent of all right-of-way transactions were concluded with a minimum of time spent in negotiation, and, in most cases four or less calls. This is only possible because of the growing knowledge of the integrity of land valuation policy and procedure. If a procedure was employed by which the State attempted to acquire property for as little as possible and by a bargaining process, it would require numerous protracted negotiation sessions and many times the staff now employed. Under a bargaining procedure, it would be impossible to put any major project under construction within the required time without having as high as 75 percent of the affected property owners evicted from their lands by the use of eminent domain, with many settlements incomplete several years after the highway is in operation. This type of procedure would, without doubt, be accompanied by justifiable adverse public reaction and would probably throw the entire right-of-way acquisition procedure into the courts.

The second strategic field has to do with the securing and training of personnel to maintain and, if possible, improve the tenor of negotiations to maintain the negotiated settlement/eminent domain ratio. The difficulty of this personnel problem has been discussed in previous years' reports and has called attention to the impossibility of recruiting any experienced personnel from private enterprise in the field of land acquisition. The percentage of the increase of highway program over the increase of personnel clearly points out this impending difficulty. Although this year's report indicates a very favorable ratio, it is also necessary to be cognizant of the fact that it was necessary to request resolutions for condemnations from the Highway Commission on 2,413 parcels, or 28.93 percent of the total right-of-way parcels for the year. We are confident that the great majority of these parcels will be closed through friendly negotiations. It must, however, be kept in mind that, due to the rapidly increasing highway construction program, the time interval for right-of-way negotiations between the completion of design plans and the desired date of advertising for construction has created a difficult problem, especially in view of the insistant demand of the public for immediate highway improvements. This situation has made it necessary to request condemnation resolutions from the California

Highway Commission as an insurance that right of way will be clear for construction if negotiations should break down with any of the affected property owners.

The current program was carried on with a staff averaging 309 right-of-way agents, plus the necessary right-of-way engineering, stenographic and clerical help. No experienced right-of-way agent help has been secured during the year and all replacements and required additional personnel have been taken in at the college graduate level and trained in right-of-way acquisition work. The in-training efforts to accomplish this personnel development require a constantly increasing amount of time from the administrative and supervisory group. It is anticipated that in the coming year some personnel will have to be assigned to educational activities exclusively in order to develop sufficiently trained personnel to maintain right of way agent requirements, if there is further expansion in the state highway construction program.

Property Management

The property management phase of the right-of-way program, operating under the existing policy, requiring the rental of improved properties during the interim period between the time of purchase and time it is possible to clear the property for highway construction required the administration of an average of 2,599 rental units, as follows:

Total number of rental and lease units, July 1, 1953	2411
Total number of rental and lease units, June 30, 1954	2787
Gross rental and lease receipts	$1,272,193.51

Upon vacation of the premises by the occupants, the improvements are disposed of by public auction or established sealed bid procedure, following which the improvements are removed from the right of way by the successful purchaser.

Excess parcels come into possession of the Division of Highways in those cases where the severance damage to the remainder of a parcel would represent approximately 70 percent or more of the fair market value of such parcel. During the past several years, it has proven to the distinct financial advantage of the State to acquire the entire parcel when these conditions exist, and, upon completion of highway construction, to dispose of the excess remainder of the parcel through usual sealed bid procedure. The following tabulation shows the results of sales of excess property.

Number of sales:	
Land (in some cases including improvements)	90
Improvements only	2,458
Gross returns from sales	$3,480,805.36

This phase of right-of-way activities was carried on with a total overhead cost, including maintenance and repairs on the rental units, of $570,086.07. This represents an 11.99 percent overhead to conduct all rental, leasing, maintenance and right-of-way clearance activities.

Utility Relocation

Under the terms of the Collier-Burns Act, utility relocations required the preparation and execution of 584 utility agreements. Direct payment for this relocation work was made to the affected utility companies during the year in the amount of $2,022,586.91. In addition to this sum, obligations were incurred on utility removals now in progress, but not yet complete or payable, in the amount of $3,653,440.65. Administration of the utility relocation activities required an overhead expenditure of $160,278.47.

Economic Studies

The economic studies completed in the past year have not only been the incentive but have established a pattern of operation that is being accepted and put into practice in many of the other states.

As a service to all roadside merchants, and particularly to the motel industry in California, the study of the effect of freeway development on motels was published and distributed. An extensive study was also completed and published on the stimulating effect of California's freeways to industrial growth. This study deals particularly with the phenomenal industrial development along the Eastshore Freeway in Alameda County and the Santa Ana Freeway in Los Angeles County. It was based on land development, land sales, and personal interviews with all of the industries selecting sites adjacent to freeway construction. These studies have been in great demand and reprints of the published study information have been made to assist public bodies vitally interested in community planning, civic groups, newspapers and individuals proposing investment in the vicinity of freeways. The factual information developed by these studies has been beneficial in the general acquisition of right of way in that their completely unbiased facts have been of assistance in developing public confidence in our valuation procedure.

LEGAL

As noted in previous reports, the amount of legal work arising out of the activities of the Department of Public Works is directly proportional to the size of the right of way and construction programs. The following tables indicate the volume of work performed involving litigation or appearances before administrative bodies. All tables relate to the Fiscal Year July 1, 1953, to June 30, 1954. Some idea of the volume of condemnation case work is given by the following tabulation:

CONDEMNATION PROCEEDINGS

Suits filed	219	Trials	79
Parcels involved	1,650	Uncontested judgments	52
Defendants involved	4,111	Suits pending 6/30/54	326
Suits closed	175	Parcels pending 6/30/54	2,000

As will be seen by the number of parcels and number of defendants involved in the condemnation proceedings filed, each proceeding covers a considerable number of parcels. Likewise, trials usually cover several parcels with different owners, making the average trial one of some magnitude—often with several opposing counsels representing various parties. During the above fiscal year, there was a large increase in the number of suits filed as compared with the previous fiscal year. This was undoubtedly due to the extended program resulting from increased gas tax passed by the 1953 Session of the Legislature. There were 73 more condemnation suits filed during the 1953-54 Fiscal Year than during the 1952-53 Fiscal Year, involving an increase of 1,192 parcels over the preceding fiscal year. There was only a slight increase in the number of trials handled during the 1953-54 Fiscal Year. In view of the great increase in the number of suits filed, therefore, the division must anticipate a large increase in the number of trials during the 1954-55 Fiscal Year. The volume of work involved in the above legal proceedings becomes even more impressive when it is realized that condemnation proceedings are not filed by the Department of Public Works until negotiations have been attempted with every property owner involved and an attempt made to reach settlement before filing the condemnation proceedings.

During this fiscal year, several appellate court briefs were prepared by the division and appeals argued—in some of which opinions were handed down—in others of which a final decision has not yet been rendered. In the case of *People* v. *La Macchia,* 41 Cal. (2d) 738, the California Supreme Court rendered an extensive opinion on a considerable number of points of evidentiary law in the field of eminent domain. The Supreme Court agreed with the department's contentions that some of the rulings and instructions of the trial court were erroneous, but held that an examination of the entire record did not require

a reversal of the judgment. The significance of this case, however, lies not in the determination of new principles, but rather in the reaffirmation of established rules and the rejection of the view that such rules have been nullified in California by later authorities. In the case of *People* v. *Thompson,* 43, A. C. 13, the California Supreme Court ruled adversely to the department's contentions by holding that the parcel of land involved was a part of a larger parcel rather than, as contended by the department, that it was a separate and independent parcel. In the case of *People* v. *Schultz Co.,* 123 Cal. App. (2d) 925, the district court of appeal affirmed the judgment of the trial court in holding that although a condemnation award must once and for all fix damages present and prospective that will accrue reasonably from the construction of a public improvement, and must consider the less injurious use of the property reasonably possible, the jury may not speculate on the possibility of damage from some future abandonment of the improvement and may not consider remote, speculative, or conjectural elements of damage. The department's attorneys successfully represented it in many outstanding cases in the trial courts. For example, in the case of *People* v. *Del Monte Properties Co.* involving a parcel of land in Monterey, the defendant testified to severance damages ranging from $76,190 to $106,698 and contended that no benefit accrued to the remaining property by the construction of the highway. The jury awarded the defendant no severance damages but, on the other hand, found that the remaining property was benefited in the sum of $141,000. This is one of the largest benefit verdicts ever returned in a condemnation case in California. Another interesting trial was the case of *People* v. *Truckee Public Utility District.* This trial involved the condemnation of a 74-acre parcel of land near Donner Lake for borrow pit purposes in connection with the construction and maintenance of state highways in the area. The power of eminent domain is not frequently invoked for this type of acquisition. Because of the technical nature of the valuation questions involved, both sides had to obtain numerous geological, mining and valuation witnesses and conduct physical tests upon the property to determine the volume of aggregate material in place, its quality and commercial usability. This case is one of first impression in state courts in California in holding that where land taken contains mineral deposits, the measure of compensation is the market value of the lands with the minerals in it, and that the valuation of the minerals cannot be shown separately. This trial lasted 11 days. The utility district's witnesses testified to valuations ranging from $127,500 to $137,-233. The verdict of the jury as to valuation was $13,320.

In addition to the condemnation proceedings, the department's attorneys have handled an increasing number of miscellaneous cases. The following table designated as "other litigation" gives some idea of the number of cases involved:

OTHER LITIGATION

Cases pending July 1, 1953	260
Cases filed	234
Total	494
Cases closed	197
Cases pending June 30, 1954	297

This designation covers a wide variety of litigation. In some of these cases, for example, claims for damage to State highway facilities such as bridges, signals, guard rails, or damage to state vehicles, or unlawful detainer actions, the State has been represented as a plaintiff. On the other hand, this table also includes many matters where the department is represented as a defendant, such as inverse condemnation proceedings, where damage to property by reason of state highway operations is alleged, suits by contractors for additional compensation on construction contracts, and suits because of alleged dangerous or defective condition of state highways. In still other types, such as stop notice actions, the department has filed interpleader actions in which it assumes a neutral position between the contractor and the claimant.

The increase in litigation covered by this heading may be seen from the fact that in the 1951-52 Fiscal Year there were 87 cases closed; in the 1952-53 Fiscal Year there were 151 cases closed; and in the 1953-54 Fiscal Year there were 197 cases closed.

In the case of *George Bettencourt* v. *State of California,* 123 Cal. App. (2d) 60, and the related case of *George Bettencourt* v. *California Toll Bridge Authority,* 123 Cal. App. (2d) 943, the District Court of Appeal upheld the department's contention that the State of California and the California Toll Bridge Authority enjoy sovereign immunity as to claims for negligence in the operation of the Dumbarton Bridge.

Proceedings pending before the Public Utilities Commission continue at approximately the same rate as during the prior fiscal year and are illustrated by the following tabulation:

PROCEEDINGS BEFORE THE PUBLIC UTILITIES COMMISSION

Applications pending July 1, 1953	43
Applications filed	20
Orders secured	14
Applications completed	19
Applications pending June 30, 1954	44

In addition to the formal applications, 17 notices under General Order 88 were filed by the Public Utilities Commission.

The table with reference to the Public Utilities Commission covers matters having to do both with crossings at grade of highways and railroads and the construction of grade separations. In all instances, the approval of the Public Utilities Commission must be obtained as to engineering detail and in the event of a failure to reach an agreement with the railroad involved as to apportionment of costs, the applications seek such determination by the Public Utilities Commission.

Claims against the State by reason of the activities of the department continue to be filed with the State Board of Control at approximately the same rate as during the preceding fiscal year. The following tabulation illustrates the volume of work handled by the department's attorneys before the State Board of Control:

DEPARTMENTAL CLAIMS BEFORE THE STATE BOARD OF CONTROL

	Number of claims	*Amount of claims*
Pending July 1, 1953	65	$505,445.64
Filed	102	2,391,343.89
Totals	167	$2,896,789.53
Plus amendment to amount of claim filed		4,990.00
		$2,901,779.53
Disposed of	118	2,125,625.53
Pending June 30, 1954	49	$776,154.00

In addition to the work represented by litigation and other matters shown in the tables above, what might be called the "office work" of the legal department has shown a decided increase. This office work is largely directed to preventing litigation rather than engaging in litigation after damage has occurred.

During this period, the division was busily engaged in the recruitment of personnel and the reclassification of present personnel. In keeping with its usual policy, additional attorneys in the class of junior counsel were employed during the fiscal year in each of the three offices of the division.

The division anticipates that the expanded program resulting from the increased gas tax passed by the 1953 Session of the Legislature will nearly double the legal work presently being handled. Under these circumstances, the division will continue its policy of recruiting additional attorneys at the junior counsel level and training them to undertake the increased work load which is anticipated.

ACCOUNTING

Administration of all accounting and internal audit activities of the Division of Highways is under the direction of the Comptroller of the Department of Public Works and his staff.

Cash Resources and Obligations

On June 30, 1954, current resources consisting of cash $18,067,080, a revolving fund of $2,000,000 and investments in United States Government obligations of $97,865,732, totaled $117,932,812. On the same date there were outstanding budgetary encumbrances amounting to $125,051,189, of which $12,340,357 were advance obligations against the revenues of the 1954-55 Fiscal Year as authorized by Section 143.1 of the Streets and Highways Code.

Revenues and Expenditures

Revenues for the 1953-54 Fiscal Year amounted to $313,742,501, of which $27,820,888 remained uncollected on June 30, 1954. Collection of $25,101,708 federal aid, $2,395,871 of contributions and $323,309 on work for other agencies will be made as work against which the amounts apply is completed.

Expenditures and obligations incurred for the fiscal year amounted to $311,302,495 compared with $206,292,218 for the preceding period.

Accounting System

No major changes have occurred in the accounting system or in the form of the financial statements presented herewith. However, minor changes which have occurred from year to year have made it necessary to revise accounting instructions to such an extent that a new edition of the Accounting Manual in loose-leaf form and in several parts is now in process of compilation. Part III, Field Office Procedure, was released in January, 1954, and other portions will be issued during the fiscal year ending June 30, 1955.

Accounting and Financial Statements

Included as Appendix A of this report are statements reflecting the financial condition of the Division of Highways as of June 30, 1954, and tables classifying revenues and expenditures to date and for the year ending June 30, 1954.

APPENDIX A

FINANCIAL STATEMENTS

June 30, 1954

Statement

1. Statement of Financial Condition as of June 30, 1954.
2. Statement of Budgetary Resources and Allocations for Fiscal Year Ending June 30, 1954.
3. Statement of Receipts and Estimated Revenues for Fiscal Year Ending June 30, 1954.
4. Statement of Budgetary Expenditures and Encumbrances for Fiscal Year Ended June 30, 1954.
5. Analysis of Income Received by Division of Highways by Fiscal Years to June 30, 1954.
6. Analysis of Federal Government Funds Received by Division of Highways by Fiscal Years to June 30, 1954.
7. Expenditures by Division of Highways to June 30, 1954, Classified as to Function.
8. Expenditures by Division of Highways by Fiscal Years to June 30, 1954, Classified as to Location and Purpose.
9. Statement of Expenditures in Counties for Construction, Reconstruction, Improvements, and Maintenance and Contributions Received in Connection therewith, January 1, 1912, to June 30, 1954.
10. Statement of Service and Supply Department Financial Transactions, July 1, 1953, to June 30, 1954, and Summary July 1, 1947, to June 30, 1954.
11. Statement of Source of Actual and Estimated Revenue Applied to Budgets Reported Herein.
12. Statements of Budgetary Transactions as of June 30, 1954.
    (a) State Highway Operating Budget—1953-54 Fiscal Year.
    (b) State Highway Operating Budget—1952-53 Fiscal Year.
    (c) State Highway Operating Budget—1951-52 Fiscal Year.
    (d) State Highway Operating Budget—1950-51 Fiscal Year.
    (e) State Highway Operating Budget—1949-50 Fiscal Year.
    (f) County Highway Budget—Continuous.
    (g) County Highway Budget—Prior.
    (h) Access Highways Budget.
    (i) Access Highways Budget II.
13. Highway Right of Way Acquisition Fund Statements; June 30, 1954.
14. Statement by Counties Showing State Highway Expenditures and Contract Obligations by County as Compared with County Minimums pursuant to Sec. 188.4 Streets and Highways Code.

INDEX OF FINAL STATEMENTS OF BUDGETARY TRANSACTIONS

State Highway Operating Budgets Under Collier-Burns Highway Act
1947-48 Fiscal Year—Fifth Annual Report—January, 1952
1948-49 Fiscal Year—Sixth Annual Report—January, 1953

Special Budgets
Grade Separation Operating Budget—Sixth Annual Report, January, 1953

STATEMENT 1

STATE HIGHWAY FUND
STATEMENT OF FINANCIAL CONDITION AS OF JUNE 30, 1954

Assets and Budgetary Resources

Cash:			
In Treasury		$15,803,996.50	
In transit to Treasury		144.27	
In agency accounts		2,262,939.12	
			$18,067,079.89
Revolving funds			2,000,000.00
Investments—U. S. Government securities			97,865,732.00
Loans to California Toll Bridge Authority:			
For surveys—San Pedro-Terminal Island Crossing, Chapter 1475/53		$27,182.81	
For surveys—additional Carquinez Bridge, Chapter 1722/53		29,810.16	
For permanent revolving fund		50,000.00	
For operations insurance and maintenance on San Francisco-Oakland Bay Bridge, Chapter 1056/53		15,620,149.51	
			15,727,142.48
Receivables:			
Court deposits in condemnation proceedings		$6,169,673.13	
Accounts receivable		794,242.88	
Golden Gate Bridge and Highway District		5,000,000.00	
			11,963,916.01
Inventories—stores			3,584,003.21
Suspense and deferred items			893,587.87
Advance expenditures 1954-55 Fiscal Year contracts			2,986,398.18
Estimated revenue:			
Federal aid apportionments		$25,101,708.40	
Contributions		2,395,870.97	
Work for other agencies		323,279.53	
Martinez-Benecia Ferry revenue		29.05	
			27,820,887.95
Capital assets:			
Land and buildings		$25,676,339.45	
Equipment			
Construction and automotive			
Less reserve for depreciation (9,180,742.36)	$9,562,606.98		
Office, shop and miscellaneous	6,483,851.99		
		16,046,458.97	
			41,722,798.42
Total assets and budgetary resources			$222,631,546.01

Obligations, Reserves and Surplus

Liabilities:		
Claims payable filed	$15,243,451.02	
Accounts payable	5,784,756.86	
Reserve for compensation insurance, vacation, sick leave, and overtime	1,020,950.79	
Uncleared collections	149,282.62	
Deposits:		
From Bond Sinking Fund of 1943 for approaches to Golden Gate Bridge	5,000,000.00	
From General Fund for relocation of State Highway, Route 5	761,359.04	
		$27,959,800.33
Advance Revenue Collections 1954-55 Fiscal Year		748,198.29
Reserve for Departmental Operations		790,754.38
State's Investment in Capital Assets		41,722,798.42

STATEMENT 1—Continued

STATE HIGHWAY FUND
STATEMENT OF FINANCIAL CONDITION AS OF JUNE 30, 1954

Obligations, Reserves and Surplus—Continued

Budgetary Obligations:			
Uncompleted state highway budget contracts	$118,413,203.55		
Less 1954-55 Fiscal Year contracts	12,340,356.92		
		$106,072,846.63	
Uncompleted special budget contracts		4,242,924.07	
Day labor projects		508,085.38	
Engineering and others		1,886,975.70	
			112,710,831.78
Reserve for loans to California Toll Bridge Authority			15,727,142.48
Budgetary Allocations Unencumbered			
Special budgets:			
County highways	$3,762,860.21		
Access highways	.00		
		$3,762,860.21	
State highway budgets:			
Surveys for San Diego-Coronado Tube Chapter 1345/51	$200,000.00		
Surveys for San Pedro-Terminal Island Crossing Chapter 1475/53	172,817.19		
Surveys for additional Carquinez Bridge Chapter 1722/53	770,189.84		
Grade crossing protection Chapter 1739/53 (Public Utilities Commission)	500,000.00		
State highways in cities	337,904.79		
City streets	8,785,304.66		
Emergency damage repairs	23,415.21		
Supervision of outdoor advertising	37,494.01		
Automotive and construction equipment	1,368,180.68		
Contributions	643,554.76		
State highways contingency reserve	6,370,298.98		
		19,209,160.12	
			22,972,020.33
Total obligations, reserves and surplus			$222,631,546.01

TRUST GROUP

Assets

Agency trust accounts in State Treasury:		
Deposits for credit accounts on toll bridges and others	$52,293.52	
Securities held in trust	4,000.00	
		$56,293.52
Fund in State Treasury:		
Unclaimed trust moneys		1,224.27
Total assets		$57,517.79

Liabilities

Claims payable filed		$247.66
Liability for:		
Deposits for credit account on toll bridges and others	$56,293.52	
Cancelled checks	976.61	
		57,270.13
Total liabilities		$57,517.79

STATEMENT 2

STATEMENT OF BUDGETARY RESOURCES AND ALLOCATIONS FOR FISCAL YEAR ENDING JUNE 30, 1954

Available budgetary allocations July 1, 1953		
Appropriations—California Toll Bridge Authority		
Surveys for San Diego-Coronado Tube Chapter 1345/51	$200,000.00	
		$200,000.00
Special budgets:		
County highways	$3,739,282.55	
Access highways	80,436.96	
		3,819,719.51
State Highway Budgets:		
State highways in cities	$358,546.50	
City streets	7,132,073.81	
Emergency damage repairs	50,000.00	
Outdoor advertising	34,890.44	
Automotive and construction equipment	1,028,305.99	
Miscellaneous—contributions	19,111.72	
State highways	5,519,969.64	
		14,142,898.10
		$18,162,617.61
Add:		
Revenues budgeted Statement 3	$313,742,500.94	
Decrease in reserve for loans to California Toll Bridge Authority	506,279.03	
Equipment depreciation and sales	1,863,117.79	
		316,111,897.76
		$334,274,515.37
Deduct:		
Expenditures and encumbrances Statement 4		311,302,495.04
Balance:		
Budgetary allocations available for future expenditures June 30, 1954		$22,972,020.33

STATEMENT 3

STATEMENT OF RECEIPTS AND ESTIMATED REVENUES FOR FISCAL YEAR ENDING JUNE 30, 1954

	Cash Receipts [a]	Add estimated uncollected revenue 6/30/54	Deduct estimated uncollected revenue 6/30/53	Net revenue budgeted 1953-54 fiscal year
State Highway Budgets				
1953-54 Fiscal Year Budget				
Highway users tax revenue	$272,025,472.80			$272,025,472.80
Federal aid	12,508,567.00	$12,504,438.00	[b]$—458,738.00	25,471,743.00
Contributions—highway projects	5,951,462.85	1,017,352.32	[b]—297,000.00	7,265,815.17
Martinez-Benicia ferry revenue	119,609.80	29.05		119,638.85
Franchise tax—toll ferries	600.00			600.00
Cancelled warrants escheated	1,450.82			1,450.82
Investment earnings	622,162.56			622,162.56
Miscellaneous revenue	31,199.27			31,199.27
Outdoor advertising fees	76,751.86			76,751.86
Contributions—other agencies	72,344.05	264,455.13		336,799.18
Totals 1953-54 Fiscal Year Budget	$291,409,621.01	$13,786,274.50	[b]$—755,738.00	$305,951,633.51
1952-53 Fiscal Year Budget	$10,429,446.51	$5,894,251.25	$16,339,480.22	$—15,782.46
1951-52 Fiscal Year Budget	1,097,531.88	201,381.84	1,334,411.82	—35,498.10
1950-51 Fiscal Year Budget	703,958.93	194,022.51	749,579.06	148,402.38
1949-50 Fiscal Year Budget	10,000.00	20,000.00	30,000.00	
1948-49 Fiscal Year Budget	400.70	2,404.17	2,804.87	
1947-48 Fiscal Year Budget	4,000 00		4,000 00	
Totals state highway budgets	$303,654,959.03	$20,098,334.27	$17,704,537.97	$306,048,755.33
Special Budgets				
County highway budget—continuous				
Federal aid	$4,576,424.86	$6,255,047.02	$5,800,656.88	$5,030,815.00
Contributions	2,641,869.63	744,630.25	1,025,395.91	2,361,103.97
Totals, county highway budget—continuous	$7,218,294.49	$6,999,677.27	$6,826,052.79	$7,391,918.97
County highway budget—prior				
Contributions		$14,000.00	$14,000.00	
Totals county highway budgets	$7,218,294.49	$7,013,677.27	$6,840,052.79	$7,391,918.97
Access highway budget				
Federal aid	337,800.80	708,876.41	744,850.57	301,826.64
Totals special budgets	$7,556,095.29	$7,722,553.68	$7,584,903.36	$7,693,745.61
Totals state highway and special budgets	$311,211,054.32	$27,820,887.95	$25,289,441.33	$313,742,500.94

[a] Excludes equipment depreciation and sales.
[b] Represents revenue applicable to 1953-54 Fiscal Year received prior to July 1, 1953.

STATEMENT 4

STATE HIGHWAY FUNDS
STATEMENT OF BUDGETARY EXPENDITURES AND ENCUMBRANCES FOR FISCAL YEAR ENDING JUNE 30, 1954

	Expenditures	Add encumbrances 6/30/54	Deduct encumbrances 6/30/53	Net expenditures and encumbrances
Fiscal Budgets				
1953-54 Fiscal Year Budget				
Capital outlay				
Major construction and improvement projects	$49,673,787.70	$88,876,281.66	[a]$—2,106,635.66	$140,656,705.02
Construction engineering	11,577,428.14	40,542.74		11,617,970.88
Construction and improvement—state highways in cities Section 203, Streets and Highways Code	12,077.36	7,299.61		19,376.97
Minor improvement and betterment projects	477,810.07	214,130.48	[a]—510.20	692,450.75
Rights of way	72,791,924.46	119,473.36		72,911,397.82
Preliminary engineering	14,595,538.86	17,208.54		14,612,747.40
Aid to joint highway districts	21,900.00	6,485.18		28,385.18
Emergency damage repairs	607,240.16	101,592.29	[a]—584.46	709,416.91
Equipment	2,712,669.41			2,712,669.41
Honor camp construction	1,046,536.76			1,046,536.76
Buildings and plants	2,881,339.53	844,894.56		3,726,234.09
Total—capital outlay	$156,398,252.45	$90,227,908.42	[a]$—2,107,730.32	$248,733,891.19
Current expenses				
Administration—headquarters office	$2,852,250.52			$2,852,250.52
Administration—district offices	2,035,020.81			2,035,020.81
Administration—Division of Contracts and Rights of Way	339,403.06			339,403.06
Administration—Department of Public Works	163,334.35			163,334.35
Prorata charges for services of general administrative agencies	527,806.39			527,806.39
Maintenance of state highways	23,608,667.69	$181,118.68		23,789,786.37
Martinez-Benicia ferry operation	192,388.15	27,250.70		219,638.85
Highway planning	1,831,955.53			1,831,955.53
Maintenance and repairs—San Francisco-Oakland Bay Bridge	983,394.14	12,914.07		996,308.21
Supervision of outdoor advertising	74,148.29			74,148.29
Board of Control claims	18,353.09			18,353.09
Total—current expenses	$32,626,722.02	$221,283.45		$32,848,005.47

Other expenditures and subventions				
State Aid—county highways	$458,083.48	$297,968.52	----------	$756,052.00
Work for other agencies	164,721.73	144,328.81	----------	309,050.54
To Cities—for city streets—Section 194 Streets and Highways Code	24,492,202.86	927,704.15	----------	25,419,907.01
Total—other expenditures and subventions	$25,115,008.07	$1,370,001.48	----------	$26,485,009.55
Totals—1953-54 Fiscal Year Budget	$214,139,982.54	$91,819,193.35	[a]$—2,107,730.32	$308,066,906.21
1952-53 Fiscal Year Budget	$33,214,413.51	$11,560,574.30	$46,899,975.22	$—2,124,987.41
1951-52 Fiscal Year Budget	13,048,712.21	3,546,200.33	18,441,284.54	—1,846,372.00
1950-51 Fiscal Year Budget	2,197,074.17	1,067,932.25	3,776,670.35	—511,663.93
1949-50 Fiscal Year Budget	—15,000.00	----------	16,992.74	—31,992.74
Totals—fiscal budgets	$262,585,182.43	$107,993,900.23	$67,027,192.53	$303,551,890.13
Special Budgets				
County highway budgets	$7,587,810.13	$4,541,953.57	$4,761,422.39	$7,368,341.31
Access highway budgets	392,495.16	174,977.98	185,209.54	382,263.60
Totals—special budgets	$7,980,305.29	$4,716,931.55	$4,946,631.93	$7,750,604.91
Totals—state highway and special budgets	$270,565,487.72	$112,710,831.78	$71,973,824.46	$311,302,495.04

[a] Represents advance expenditures on contracts in prior fiscal year pursuant to 143.1, Streets and Highways Code.

STATEMENT 5

ANALYSIS OF INCOME RECEIVED BY DIVISION OF HIGHWAYS BY FISCAL YEARS TO JUNE 30, 1954

Fiscal year	Total annual revenue[a]	Federal Government reimbursements	Contributions	State General Fund appropriations[a]	1st, 2d, 3d Highway Funds	Advertising license fees	Miscellaneous	Highway users tax revenue*
1911-1912	$160,503.04			$6,933.33	$153,569.71			
1912-1913	1,255,693.94			20,800.00	1,234,893.94			
1913-1914	2,346,271.78			20,800.00	2,320,816.61			$4,655.17
1914-1915	6,719,658.93			20,800.00	6,503,743.60			195,115.33
1915-1916	7,566,984.05		$190,109.68	20,800.00	6,302,191.34			1,053,883.03
1916-1917	2,676,472.92		77,000.00	35,561.60	1,469,285.65			1,094,625.67
1917-1918	5,379,741.65	$59,571.76	265,008.30	24,458.08	4,505,421.24			525,282.27
1918-1919	7,601,610.83		79,988.27	267,688.68	5,512,231.91			1,741,701.97
1919-1920	8,491,726.26	526,612.01	20,014.48	20,800.00	6,000,000.00			1,924,299.77
1920-1921	9,132,386.08	1,297,200.85	257,584.66	20,800.00	5,122,000.00			2,434,800.57
1921-1922	24,140,339.40	1,925,603.19	55,693.85	128,300.00	19,012,550.00			3,018,192.36
1922-1923	13,269,702.28	2,969,295.33	128,352.00	370,800.00	6,016,200.00			3,785,054.95
1923-1924	18,257,769.70	2,683,093.33	612,738.63	316,600.00	7,000,000.00			7,645,337.74
1924-1925	16,484,482.53	3,371,711.00	495,935.09	1,065.86	3,181,500.00			9,434,270.58
1925-1926	14,778,797.79	3,287,067.83	375,733.09	181,121.75				10,934,875.12
1926-1927	15,331,219.89	2,978,864.97	170,663.91	10,000.00				12,171,691.01
1927-1928	23,814,918.60	2,434,125.74	562,702.94	1,079,094.52	[b]—222,160.50			19,961,155.90
1928-1929	28,678,423.23	3,443,873.79	297,505.18					24,937,044.26
1929-1930	31,500,983.35	3,931,822.91	418,785.58					27,150,374.86
1930-1931	32,500,095.88	4,493,802.63	369,022.47	[c]—207,926.44				27,845,197.22
1931-1932	32,186,234.92	7,205,767.53	173,425.77	20,000.00				24,787,041.62
1932-1933	34,502,696.49	7,115,332.61	173,642.52					27,213,721.36
1933-1934	33,271,262.63	6,298,332.79	293,995.95			$22,000.81		26,656,933.08
1934-1935	37,866,497.26	10,041,249.32	469,154.67			24,596.24	$6,573.55	27,324,923.48
1935-1936	39,908,589.73	9,550,349.23	486,915.31			25,763.17	15,180.45	29,830,381.57
1936-1937	49,483,583.41	16,571,766.51	—116,801.77			30,490.80	6,620.59	32,991,507.28
1937-1938	44,952,706.70	8,873,600.09	782,634.60			32,674.33	715.26	35,263,082.42
1938-1939	45,000,245.99	9,269,747.08	460,909.47			28,439.71	—632.95	35,241,782.68
1939-1940	44,338,155.41	6,152,641.50	297,202.34			32,976.79		37,855,334.78
1940-1941	48,841,753.86	7,877,834.54	1,462,901.21			34,652.96		39,466,365.15
1941-1942	50,993,637.06	5,635,224.61	654,882.26			34,343.55	3.23	44,669,183.41
1942-1943	53,719,278.04	15,346,517.40	867,935.21			27,661.44		37,477,163.99
1943-1944	58,417,281.65	10,864,032.89	484,758.31	13,520,000.00		27,055.05		33,521,435.40
1944-1945	39,141,969.64	4,693,307.39	85,298.12			29,234.68	66,366.75	34,267,762.70
1945-1946	64,885,373.90	4,574,012.34	5,207,950.33	12,000,000.00		31,916.20	235,731.77	42,835,763.26
1946-1947	76,693,102.06	19,069,697.28	1,943,481.04			43,565.74	254,698.49	55,381,659.51
1947-1948	107,258,065.59	25,855,041.17	—4,400,465.80	[c]—487.40		55,367.80	1,119,019.25	84,629,590.57
1948-1949	159,245,449.65	22,234,591.88	3,107,568.58	[c]—12,255.27		62,258.54	543,004.33	133,310,281.59
1949-1950	158,235,845.81	17,796,475.18	6,627,334.03			64,588.27	118,326.16	133,629,122.17

1950-1951	167,164,240.83	16,969,428.51	5,471,625.46			61,676.72	819,259.91	143,842,250.23
1951-1952	185,196,566.72	19,991,513.88	6,251,769.85			70,438.66	6,719,506.41	152,163,337.92
1952-1953	208,834,622.81	31,966,080.87	7,306,413.91			85,019.19	793,402.15	168,683,706.69
1953-1954	311,959,252.61	28,375,285.96	10,706,719.54			76,751.86	775,022.45	272,025,472.80
Totals	$2,322,184,194.90	$345,730,475.90	$53,176,089.04	$27,865,754.71	$74,112,243.50	$901,472.51	[e]$11,472,797.80	[d]$1,808,925,361.44

[a] Includes $275,733.33 paid direct by State Controller to State Highway Engineer and Highway Commissioners.
[b] Represents discount on bonds.
[c] Represents reduction of revenue due to reversion of appropriations.
[d] Does not include apportionment for June, 1954, received July, 1954—$16,059,098.75.
[e] Includes following:

Net earnings on investments	$2,980,086.10	Repayment for Bay Bridge Approach	$6,519,848.91
Recoveries U. S. war damage claims	1,787,359.95	Interest on loans to Toll Bridge Authority	7,128.30
Franchise tax-toll ferries	6,600.00	Miscellaneous revenue	31,199.27
Proceeds—sale of Topock Bridge	18,739.50	Martinez-Benicia Ferry	119,609.80
Canceled warrants escheated	2,225.97		

*ANALYSIS OF HIGHWAY USERS TAX REVENUE

(For Prior Years Refer to Second and Seventh Annual Report)

	1953-54 Fiscal year	1952-53 Fiscal year	1951-52 Fiscal year	1950-51 Fiscal year	1949-50 Fiscal year	1948-49 Fiscal year
Motor vehicle fuel taxes:						
Gasoline tax	$179,116,829.17	$112,053,043.84	$103,887,483.44	$96,648,733.20	$90,845,499.74	$85,576,141.32
Use fuel tax	12,522,308.54	7,483,634.14	6,986,233.25	5,495,522.23	4,532,978.33	3,734,754.09
Miscellaneous	268,149.30	189,561.65	188,216.32	149,783.25	210,598.22	71,164.97
Motor vehicle transportation tax	14,269,413.97	11,575,603.25	10,809,964.96	8,672,855.48	7,450,896.25	6,816,461.97
Caravan fees						—30.00
Motor vehicle registration and weight fees	74,540,281.12	45,687,318.65	38,095,325.53	39,961,465.00	37,052,430.42	43,303,477.91
Total apportionments	$280,716,982.10	$176,989,161.53	$159,967,223.50	$150,928,359.16	$140,092,402.96	$139,501,970.26
Deduct: Disbursements by State Controller						
Contributions to State Retirement System					$1,208.29	$1,976.29
To State Controller-Section 2103.1					—62,403.46	102,267.00
To Counties-Section 2104	$8,691,509.30	$8,305,454.84	$7,803,885.58	$7,086,108.93	6,524,475.96	6,087,445.38
Net transfer to State Highway Fund	$272,025,472.80	$168,683,706.69	$152,163,337.92	$143,842,250.23	$133,629,122.17	$133,310,281.59

STATEMENT 6

FEDERAL REIMBURSEMENTS

ANALYSIS OF FEDERAL GOVERNMENT FUNDS RECEIVED BY DIVISION OF HIGHWAYS BY FISCAL YEARS TO JUNE 30, 1954

Fiscal year ending	Total federal funds	Primary federal aid	Urban federal aid	Interstate federal aid	Federal lands funds under state supervision[a]	Emergency relief floods 1938-1940-1950	Secondary federal aid[b]	Access road fund	Miscellaneous*
1917-1930	$28,908,842.71	$28,908,842.71							
1930-1931	4,493,802.63	4,493,802.63							
1931-1932	7,205,767.53	4,196,940.18							$3,008,827.35
1932-1933	7,115,332.61	3,744,429.15			$6,841.99				3,364,061.47
1933-1934	6,298,332.79	654,740.26							5,643,592.53
1934-1935	10,041,249.32	32,971.95			215,890.62				9,792,386.75
1935-1936	9,550,349.23	633,045.90			79,493.05				8,837,810.28
1936-1937	16,571,766.51	4,911,042.70			204,262.50				11,456,461.31
1937-1938	8,873,600.09	5,454,817.96			131,892.00		$389,307.08		2,897,583.05
1938-1939	9,269,747.08	4,470,223.49			63,097.00	$867,830.00	2,067,994.96		1,800,601.63
1939-1940	6,152,641.50	3,214,413.47			164,324.00	598,791.74	1,940,652.60		234,459.69
1940-1941	7,877,834.54	5,512,786.00			179,889.66	316,189.64	1,473,193.89		395,775.35
1941-1942	5,635,224.61	3,896,659.66			29,922.66	159,392.86	1,519,440.33		29,809.10
1942-1943	15,346,517.40	3,258,650.78			15,154.07	17,285.76	331,106.78	$10,459,716.01	1,264,604.00
1943-1944	10,864,032.89	1,575,411.24					572,764.04	7,267,253.03	1,448,604.58
1944-1945	4,693,307.39	464,102.88					213,884.81	3,746,648.89	268,670.81
1945-1946	4,574,012.34	529,544.49					530,050.35	2,822,599.39	691,818.11
1946-1947	19,069,697.28	8,151,245.04	$3,754,386.02				1,219,841.44	4,884,449.01	1,059,775.77
1947-1948	25,855,041.17	9,791,511.38	8,148,358.78		38,492.00		5,021,110.01	2,814,954.82	40,614.18
1948-1949	22,234,591.88	7,502,294.48	8,976,998.00		31,390.39		4,956,506.11	714,082.90	53,320.00
1949-1950	17,796,475.18	6,134,122.30	5,090,623.05				4,981,156.36	1,360,058.47	230,515.00
1950-1951	16,969,428.51	7,364,265.79	5,378,000.47				3,923,802.98	303,359.27	
1951-1952	19,991,513.88	8,672,035.00	5,779,452.88			551,733.00	4,981,876.49	6,416.51	
1952-1953	31,966,080.87	11,613,232.09	13,940,688.53		250,250.00	443,154.00	5,491,701.89	227,054.36	
1953-1954	28,375,285.96	11,290,073.05	10,704,506.25	$515,656.00	42,250.00	248,968.00	5,236,031.86	337,800.80	
Totals	$345,730,475.90	$146,471,204.58	$61,773,013.98	$515,656.00	$1,453,149.94	$3,203,345.00	$44,850,421.98	$34,944,393.46	$52,519,290.96

* Analysis of Miscellaneous:

Emergency Advance Fund	$3,008,827.35
Emergency Relief and Construction Fund	4,667,188.00
Public Works Highway Fund	23,539,560.00
Strategic Network Fund	2,413,607.00
Public Works Administration Grants	1,011,503.16[c]
Advance Engineering Fund	398,990.00
Works Program Fund:	
Highways	$7,747,928.00
Grade Crossing	7,486,362.00
Flight Strip Fund	2,245,325.45
Total miscellaneous	$52,519,290.96

[a] Includes $299,341.99 accounted as contributions in ledger accounts (Hoopa Indian Reservation, $6,841.99) (Secret Valley, $292,500).
[b] Includes $7,147,361 Federal Aid Secondary Grade Crossings.
[c] Public Works Administration grants includes $164,572.52 accounted as "contributions" in ledger accounts.
NOTE: For a comparison of these federal reimbursements to apportionments of federal funds to California refer to the table on page 117.

STATEMENT 7

EXPENDITURES BY DIVISION OF HIGHWAYS TO JUNE 30, 1954 CLASSIFIED AS TO FUNCTION

Item	Totals to June 30, 1954		July 1, 1953-June 30, 1954		July 1, 1952-June 30, 1953		July 1, 1951-June 30, 1952	
	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent
Preliminary engineering	$86,671,259.82	3.91	$14,735,723.88	5.42	$11,648,493.65	5.53	$9,263,390.39	5.13
Construction engineering	88,867,653.00	4.01	11,906,251.06	4.38	9,385,308.54	4.45	7,476,642.46	4.15
Right of way	300,608,885.36	13.56	72,845,446.45	26.81	36,827,534.26	17.49	31,242,596.35	17.31
Construction and improvement work—day labor	111,505,013.20	5.03	2,675,972.88	.98	4,083,711.82	1.94	4,441,466.05	2.46
Construction and improvement work—contracts	895,366,463.10	40.39	106,536,331.55	39.22	89,371,640.36	42.42	67,404,538.22	37.36
Construction—advances	748,034.10	.03	748,034.10	.28				
Joint highway districts	3,997,710.20	.18	21,900.00	.01	43,128.48	.02	95,572.22	.05
Cities ¼ cent state highways—construction	48,134,450.89	2.17	16,239.00		483,565.51	.23	735,460.60	.41
Honor camp construction	30,586,758.25	1.38	1,046,536.76	.39	1,022,443.31	.49	1,022,826.28	.57
Totals, construction and improvements	$1,566,486,227.92	70.66	$210,532,435.68	77.49	$152,865,825.93	72.57	$121,682,492.57	67.44
Aid to counties	$25,000.00							
Flight strip construction	2,245,325.45	.10						
County postwar projects	1,499,512.60	.07						
Work for other state agencies	3,820,532.94	.17	$254,251.97	.09	$482,984.68	.23	$324,700.70	.18
Emergency damage repairs	3,896,716.96	.18	667,311.71	.25	711,484.27	.34	2,514,878.58	1.39
Maintenance	333,152,613.57	15.03	23,816,923.91	8.77	23,429,799.83	11.12	24,102,202.89	13.36
Martinez-Benicia Ferry—operation and maintenance	192,388.15	.01	192,388.15	.07				
Cities ¼ cent state highways—maintenance	9,695,523.75	.44						
City streets (Section 194-S&H Code)	176,907,574.74	7.98	24,539,565.12	9.03	21,448,666.47	10.18	20,223,124.60	11.21
Damage claims paid	129,112.38	.01	18,353.09	.01	14,754.98	.01	5,714.31	
Highway planning	5,142,801.67	.23	473,726.81	.17	438,490.15	.21	683,145.77	.38
Planning survey	6,525,254.83	.29	1,358,228.72	.50	1,206,875.24	.58	637,069.40	.35
Supervision of outdoor advertising	863,978.50	.04	74,148.29	.03	70,134.06	.03	66,574.38	.04
Plants and equipment	36,431,695.85	1.64	3,833,609.17	1.41	4,833,883.57	2.29	5,210,267.23	2.89
Totals, maintenance, special activities, miscellaneous	$580,528,031.39	26.19	$55,228,506.94	20.33	$52,637,073.25	24.99	$53,767,677.86	29.80
Administration expense—								
At district offices	$31,381,837.82	1.42	$2,035,020.81	.75	$1,937,503.95	.92	$2,156,194.96	1.20
At headquarters office	28,725,858.80	1.29	2,852,250.52	1.05	2,543,386.81	1.21	2,247,367.58	1.25
Division of Contracts and Rights of Way	1,869,557.82	.09	339,403.06	.13	244,719.50	.11	205,001.43	.11
Department of Public Works	1,801,788.80	.08	163,334.35	.06	123,369.36	.06	129,281.34	.07
Other state departments	5,850,417.86	.26	527,806.39	.19	297,456.27	.14	238,266.10	.13
Paid direct by State Controller	275,733.33	.01						
Federal non-highway	7,744.73							
Total administration	$69,912,939.16	3.15	$5,917,815.13	2.18	$5,146,435.89	2.44	$4,976,111.41	2.76
Grand totals	$2,216,927,198.47	100.00	$271,678,757.75	100.00	$210,649,335.07	100.00	$180,426,281.84	100.00

STATEMENT 7—Continued

EXPENDITURES BY DIVISION OF HIGHWAYS TO JUNE 30, 1954 CLASSIFIED AS TO FUNCTION

Item	July 1, 1950-June 30, 1951		July 1, 1949-June 30, 1950		July 1, 1948-June 30, 1949		March 1, 1912-June 30, 1948	
	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent
Preliminary engineering	$8,061,064.44	5.13	$6,174,406.87	4.28	$5,462,960.84	3.33	$31,325,219.75	2.88
Construction engineering	6,622,916.63	4.21	6,120,014.90	4.24	6,393,085.90	3.90	40,963,433.51	3.76
Right of way	32,934,466.50	20.94	20,916,460.07	14.50	26,366,758.76	16.10	79,475,622.97	7.30
Construction and improvement work—day labor	4,098,201.01	2.61	3,776,759.78	2.62	3,015,988.13	1.85	89,412,913.53	8.21
Construction and improvement work—contracts	54,358,169.20	34.57	58,806,834.25	40.75	65,564,678.72	40.04	453,324,270.80	41.63
Construction—advances								
Joint highway districts	71,768.78	.05	223,856.80	.15	112,000.00	.07	3,429,483.92	0.31
Cities ¼ cent state highways—construction	1,164,658.39	.74	2,472,821.87	1.71	5,075,459.40	3.10	38,186,246.12	3.51
Honor camp construction	1,063,809.46	.67	1,500,287.80	1.04	1,403,089.10	.85	23,527,765.54	2.16
Totals, construction and improvements	$108,375,054.41	68.92	$99,991,442.34	69.29	$113,394,020.85	69.24	$759,644,956.14	69.76
Aid to counties							$25,000.00	
Flight strip construction							2,245,325.45	.20
County postwar projects							1,499,512.60	.14
Work for other state agencies	$419,098.08	.27	$855,756.81	.59	$466,043.84	.29	1,017,696.86	.09
Emergency damage repairs	3,042.40							
Maintenance	20,509,729.98	13.05	19,394,892.68	13.44	18,301,723.10	11.17	203,597,341.18	18.70
Martinez-Benicia Ferry—operation and maintenance								
Cities ¼ cent state highways—maintenance			5,447.88		36,553.58	.02	9,653,522.29	.89
City streets (Section 194-S&H Code)	19,265,095.38	12.25	16,950,948.09	11.74	22,518,387.52	13.75	51,961,787.56	4.78
Damage claims paid	17,806.55	.01	5,103.77		3,414.01		63,965.67	
Highway planning	601,836.71	.38	525,329.68	.37	493,480.79	.30	1,926,791.76	.17
Planning survey	437,652.67	.28	314,721.57	.22	386,489.42	.24	2,184,217.81	.20
Supervision of outdoor advertising	60,551.25	.04	62,564.31	.04	57,979.41	.04	472,026.80	.05
Plants and equipment	2,816,600.36	1.79	1,928,177.44	1.34	3,704,539.11	2.26	14,104,618.97	1.30
Totals, maintenance, special activities, miscellaneous	$44,131,413.38	28.07	$40,042,942.23	27.74	$45,968,610.78	28.07	$288,751,806.95	26.52
Administration expense—								
At district offices	$2,078,442.56	1.32	$1,844,160.35	1.27	$1,943,382.98	1.18	$19,387,132.21	1.78
At headquarters office	2,007,351 93	1.28	1,825,547.65	1.27	1,790,110.88	1.10	15,459,843.43	1.42
Division of Contracts and Rights of Way	190,600.68	.12	166,472.25	.12	148,873.04	.09	574,487.86	.05
Department of Public Works	127,561.99	.08	102,651.17	.07	99,041.32	.06	1,056,549.27	.10
Other state departments	331,945.07	.21	346,335.30	.24	415,169.16	.26	3,693,439.57	.34
Paid direct by State Controller							275,733.33	.03
Federal non-highway							7,744.73	
Total administration	$4,735,902.23	3.01	$4,285,166.72	2.97	$4,396,577.38	2.69	$40,454,930.40	3.72
Grand totals	$157,242,370.02	100.00	$144,319,551.29	100.00	$163,759,209.01	100.00	$1,088,851,693.49	100.00

STATEMENT 8

EXPENDITURES BY DIVISION OF HIGHWAYS BY FISCAL YEARS TO JUNE 30, 1954 CLASSIFIED AS TO LOCATION AND PURPOSE

Fiscal Year	Total annual expenditures	EXPENDITURES ON HIGHWAYS					
		Construction—Reconstruction—Improvements (Includes right of way and engineering)				Maintenance	
		On state system		Off state system		On state system	
		Rural	Incorporated cities [a]	Rural	Incorporated cities	Rural	Incorporated cities [a]
1912-1922	$68,361,014.24	$58,325,400.50				$6,054,750.20	
1922-1932	224,737,918.23	166,902,397.24				45,642,272.68	
1932-1933	32,786,119.62	25,723,627.17				5,798,548.59	
1933-1934	37,452,543.60	23,402,416.28	$4,638,166.41			6,932,564.30	$152,734.25
1934-1935	37,040,554.33	18,104,194.71	8,928,290.86			7,816,765.34	391,000.05
1935-1936	39,830,927.04	16,701,201.60	8,634,353.94	$1,268,465.33	$571,200.81	8,106,142.64	344,244.63
1936-1937	52,821,202.30	27,797,019.96	8,300,705.08	1,101,529.62	1,222,683.57	8,242,656.83	585,831.87
1937-1938	45,502,801.57	20,583,220.64	6,037,406.96	479,047.72	84,415.93	10,660,911.63	815,667.77
1938-1939	40,819,148.25	18,693,429.11	6,321,442.34	951,170.21	129,799.77	8,251,152.62	796,911.44
1939-1940	40,707,094.78	13,797,241.12	9,728,359.64	280,213.25	392,268.37	9,264,651.07	806,795.17
1940-1941	44,381,875.46	17,813,894.42	7,417,103.64	355,928.77	368,231.99	10,411,642.26	868,571.11
1941-1942	46,121,459.90	17,225,613.06	8,525,185.35	818,644.01	488,817.68	10,829,171.28	770,869.58
1942-1943	45,410,468.21	14,362,833.06	7,712,064.09	5,931,094.80	2,494,589.97	7,969,320.59	630,487.03
1943-1944	39,800,851.47	13,101,706.83	6,957,153.30	2,573,799.26	2,099,003.98	8,942,213.48	678,702.17
1944-1945	33,913,977.05	9,058,987.84	7,262,843.91	960,649.42	1,265,966.71	9,517,678.37	725,291.70
1945-1946	45,066,227.32	15,408,000.51	9,334,769.81	366,536.78	769,921.82	11,315,872.43	831,270.44
1946-1947	90,196,694.18	36,579,031.21	22,903,661.00	2,956,086.33	2,223,875.42	11,841,138.56	925,732.69
1947-1948	123,900,815.94	41,457,090.93	36,142,965.49	8,895,364.24	1,338,983.42	14,500,884.68	1,828,416.02
1948-1949	163,759,209.01	60,553,256.77	44,259,366.15	7,604,029.80	584,757.42	15,724,397.17	2,613,879.51
1949-1950	144,319,551.29	56,865,275.87	35,374,025.86	6,889,645.56	514,516.75	16,010,264.50	3,390,076.06
1950-1951	157,242,370.02	62,805,589.56	40,012,581.72	5,462,143.96	—10,633.58	17,017,848.81	3,491,881.17
1951-1952	180,426,281.84	72,481,402.84	43,202,077.17	8,402,527.55	10,400.74	20,247,504.10	3,854,698.79
1952-1953	210,649,335.07	83,658,310.98	60,939,493.10	8,922,100.12	13,402.79	19,519,183.92	3,910,615.91
1953-1954	271,678,757.75	112,321,699.02	91,597,723.11	7,258,275.09	150.17	20,097,930.57	3,911,381.49
Totals	$2,216,927,198.47	$1,003,722,841.23	$474,229,738.93	$71,477,251.82	$14,562,353.73	$310,715,466.62	$32,325,058.85

STATEMENT 8—Continued

EXPENDITURES BY DIVISION OF HIGHWAYS BY FISCAL YEARS TO JUNE 30, 1954 CLASSIFIED AS TO LOCATION AND PURPOSE

Fiscal Year	SUBVENTIONS		Administration special investigations and highway planning survey	Equipment plants and miscellaneous	Supervision of outdoor advertising	Flight strip construction
	To counties[b]	To cities[c]				
1912-1922			$1,280,938.17	$2,699,925.37		
1922-1932	$1,492,654.65		8,882,095.68	1,818,497.98		
1932-1933	62,560.10		1,100,206.71	101,177.05		
1933-1934	663,574.94		1,196,685.82	448,509.35	$17,892.25	
1934-1935	16,840.85		1,432,696.29	322,789.99	27,976.24	
1935-1936	158,722.14	$1,902,631.42	1,308,224.36	815,824.31	19,915.86	
1936-1937	100,000.00	3,587,123.05	1,935,760.95	—81,503.43	29,394.80	
1937-1938	201,338.64	4,000,269.75	1,865,727.42	742,419.71	32,375.40	
1937-1939	25,765.86	4,081,769.62	1,809,589.34	—275,434.69	33,552.63	
1939-1940	43,000.00	4,225,718.94	1,873,339.46	264,964.67	30,543.09	
1940-1941	148,583.00	4,445,932.35	2,225,063.14	296,191.37	30,733.41	
1941-1942	127,589.00	4,609,321.49	2,302,842.51	352,027.07	33,409.44	$37,969.43
1942-1943	142,935.33	3,287,591.87	2,213,377.30	—1,023,007.54	26,855.64	1,662,326.07
1943-1944	633,302.97	2,790,587.92	2,121,896.02	—622,878.54	28,330.24	497,033.84
1944-1945	740,305.93	2,518,438.75	2,020,528.01	—218,378.17	29,669.50	31,995.08
1945-1946	134,438.62	3,615,319.61	2,727,478.02	511,236.91	34,106.88	17,275.49
1946-1947	189,354.39	6,444,492.83	3,546,057.27	2,546,797.00	41,677.70	—1,210.22
1947-1948	73,030.10	8,397,994.99	4,723,433.50	6,487,123.09	55,593.72	—64.24
1948-1949	112,000.00	22,798,998.23	5,276,547.59	4,173,996.96	57,979.41	
1949-1950	223,856.80	17,075,069.59	5,125,217.97	2,789,038.02	62,564.31	
1950-1951	71,768.78	19,301,741.75	5,775,391.61	3,253,504.99	60,551.25	
1951-1952	95,572.22	20,228,515.23	6,296,326.58	5,540,682.24	66,574.38	
1952-1953	43,128.48	21,449,541.20	6,791,801.28	5,331,623.23	70,134.06	
1953-1954	21,900.00	24,539,565.12	7,749,770.66	4,106,214.23	74,148.29	
Totals	$5,522,222.80	$179,300,623.71	$81,580,995.66	$40,381,341.17	$863,978.50	$2,245,325.45

[a] Includes cities ¼-cent state highway funds.
[b] Includes joint highway districts, county postwar projects and aid to counties.
[c] Includes cities—city street funds and cities ¼-cent state highway funds.

STATEMENT 9

STATEMENT OF EXPENDITURES IN COUNTIES FOR CONSTRUCTION, RECONSTRUCTION, IMPROVEMENTS, AND MAINTENANCE AND CONTRIBUTIONS RECEIVED IN CONNECTION THEREWITH, JANUARY 1, 1912, TO JUNE 30, 1954

(Expenditures Shown Include Expenditures of Contributions Received From Counties and Others and Expenditures in Joint Highway Districts But Exclude City Gasoline Tax Expenditures)

County	Construction, Reconstruction, Improvements				Maintenance Expenditures	
	Expenditures		Contributions			
	53-54 Fiscal Year July 1, 1953-June 30, 1954	Totals Jan. 1, 1912-June 30, 1954	53-54 Fiscal Year July 1, 1953-June 30, 1954	Totals Jan. 1, 1912-June 30, 1954	53-54 Fiscal Year July 1, 1953-June 30, 1954	Totals Jan. 1, 1912-June 30, 1954
Alameda	$13,797,997.83	$87,414,752.67	$65,281.41	$1,027,640.63	$689,642.20	$6,342,980.09
Alpine	349,323.71	2,250,346.35	1,900.00	93,139.76	75,135.99	1,627,588.54
Amador	464,613.04	4,780,125.65	24,924.92	125,682.11	164,667.20	3,307,464.54
Butte	1,082,501.35	12,288,467.14	56,181.95	938,150.47	258,686.09	4,153,287.77
Calaveras	738,007.62	5,383,115.42	45,200.00	229,835.07	147,720.98	2,992,207.90
Colusa	185,469.69	5,262,879.22	14,210.85	251,457.15	129,314.20	2,008,753.49
Contra Costa	5,760,994.70	29,688,024.22	474,667.95	886,013.19	525,976.54	4,956,413.59
Del Norte	1,046,348.55	11,703,567.20	21,483.11	90,382.85	264,488.15	5,018,078.74
El Dorado	1,021,734.09	8,650,306.86	—21,991.00	165,467.78	375,335.58	5,442,281.68
Fresno	2,831,737.41	26,633,635.66	152,764.28	642,437.33	447,557.88	6,002,086.07
Glenn	258,598.41	4,857,161.68	—856.31	394,474.68	83,721.22	1,681,500.80
Humboldt	3,791,720.21	31,301,685.19	105,358.70	858,156.25	722,110.25	13,056,775.89
Imperial	1,532,727.97	24,171,200.59	18,477.87	142,782.06	298,963.17	5,437,137.21
Inyo	739,989.39	8,018,397.54	90,494.16	211,765.92	260,443.37	4,557,900.93
Kern	3,396,070.13	47,017,395.65	204,067.16	3,163,453.66	915,837.22	12,955,713.22
Kings	741,193.49	4,692,066.79	72,960.40	189,230.56	119,182.15	1,928,951.31
Lake	305,724.77	5,770,192.02	4,318.00	17,520.90	187,289.18	3,225,813.59
Lassen	595,113.07	8,555,989.62	117,538.92	833,909.70	343,245.33	4,503,049.95
Los Angeles	62,669,343.04	332,783,227.88	1,172,326.60	6,087,365.09	2,627,612.75	25,963,144.36
Madera	696,859.04	10,217,259.00	39,811.01	246,462.89	153,357.05	1,937,200.34
Marin	3,620,995.19	22,457,293.40	5,055,392.79	5,275,994.54	276,248.28	4,261,558.49
Mariposa	947,492.09	8,499,458.15	3,500.00	127,955.49	108,253.59	2,265,379.78
Mendocino	2,739,692.69	27,477,222.63	63,398.55	547,094.09	665,424.39	10,747,635.19
Merced	1,818,165.86	16,511,876.79	67,012.61	353,204.28	241,960.66	3,829,046.00
Modoc	806,204.79	9,105,400.32	71,488.00	475,321.90	251,039.73	3,531,453.15

Mono	401,260.74	7,305,556.84	203.86	7,576.57	493,927.07	6,585,470.04
Monterey	3,919,599.71	34,909,386.43	106,000.00	669,848.17	505,759.16	7,566,800.72
Napa	464,587.88	6,622,628.66	89,472.46	351,287.85	157,306.42	2,609,855.38
Nevada	686,744.90	8,605,741.27	2,572.71	129,683.88	398,136.37	5,879,989.35
Orange	5,890,178.75	39,643,262.97	201,429.26	731,396.93	502,368.44	6,415,974.28
Placer	1,322,601.54	17,056,392.19	16,138.61	337,691.36	357,572.70	5,732,032.64
Plumas	628,337.06	9,481,932.30	17,481.05	493,359.73	381,171.25	5,149,074.94
Riverside	5,764,657.53	41,321,044.13	157,835.67	1,307,708.61	731,575.49	10,011,879.50
Sacramento	5,723,885.75	25,589,033.11	168,480.53	1,228,350.95	550,741.22	6,491,360.82
San Benito	432,151.96	5,352,742.82	.00	73,440.24	128,896.83	1,724,468.74
San Bernardino	5,622,433.18	53,373,449.63	63,950.90	1,213,746.64	1,391,903.04	20,286,252.61
San Diego	9,511,770.88	75,691,174.87	132,431.53	2,564,238.92	826,191.09	10,134,088.27
San Francisco	14,610,647.34	55,661,170.88	25,000.00	332,151.82	193,701.70	1,303,264.75
San Joaquin	3,921,182.40	23,475,862.61	66,785.75	514,334.83	348,422.47	5,705,399.64
San Luis Obispo	4,248,826.17	28,669,941.51	60,800.00	404,629.26	566,029.89	7,205,495.30
San Mateo	6,266,365.52	41,138,154.96	265,571.45	3,979,452.96	539,567.80	6,722,169.25
Santa Barbara	3,918,957.69	39,804,029.37	1,600.70	1,316,694.54	434,321.87	6,723,654.97
Santa Clara	3,173,180.66	31,630,345.11	302,173.18	2,550,247.74	463 104.07	6,233,654.23
Santa Cruz	1,183,422.13	13,063,995.49	21,392.08	1,016,482.70	210,754.55	4,028,161.08
Shasta	2,383,238.91	27,619,697.28	144,871.00	2,368,993.98	469,602.57	8,108,547.79
Sierra	61,015.30	2,514,846.32	6,218.60	101,123.94	134,350.19	1,973,898.85
Siskiyou	1,898,259.54	17,559,386.41	79,763.19	339,114.16	486,143.71	7,353,520.63
Solano	969,530.48	25,702,749.76	—53,558.59	208,568.26	602,487.75	5,719,872.43
Sonoma	2,346,859.29	17,988,068.65	5,886.26	524,521.26	496,292.61	6,803,340.68
Stanislaus	931,740.21	10,302,872.40	—12,425.00	316,889.27	177,214.18	2,199,914.89
Sutter	221,144.93	4,969,352.46	3,520.14	382,277.42	112,128.93	1,018,509.36
Tehama	887,445.30	10,686,969.34	14,405.34	349,134.56	295,514.51	4,773,848.78
Trinity	909,695.64	9,761,227.67	1,000 00	43,299.42	232,406.53	3,714,050.44
Tulare	4,284,821.34	24,628,370.54	122,168.38	1,079,805.65	446,920.88	5,744,712.00
Tuolumne	236,545.43	4,888,080.82	.00	21,421.35	197,338.99	4,324,250.86
Ventura	4,026,755.61	30,573,150.25	72,300.00	223,151.73	479,800.10	7,901,381.22
Yolo	1,952,129.57	14,817,383.83	—2,254.50	181,518.99	278,061.54	4,202,722.02
Yuba	444,916.92	6,134,782.58	55,007.80	314,181.56	86,384.99	1,263,982.64
Totals	$211,183,508.39	$1,522,033,831.10	$10,056,134.29	$49,051,223.60	$24,009,312.06	$333,345,001.72

STATEMENT 10

SERVICE AND SUPPLY DEPARTMENT
STATEMENT OF FINANCIAL TRANSACTIONS—WAREHOUSE OPERATIONS
July 1, 1953, to June 30, 1954

	Northern warehouse		Southern warehouse		Totals	
Sales		$1,270,119.91		$1,032,897.37		$2,303,017.28
Cost of sales:						
Inventories, July 1, 1953	$811,618.69		$647,828.65		$1,459,447.34	
Inventory adjustments	6,702.85		—24,112.22		—17,409.37	
Adjusted inventories	$818,321.54		$623,716.43		$1,442,037.97	
Purchases	1,235,008.32		1,059,306.29		2,294,314.61	
Inventories and purchases	$2,053,329.86		$1,683,022.72		$3,736,352.58	
Inventories, June 30, 1954	930,661.75		768,971.92		1,699,633.67	
Cost of sales (disbursements)		1,122,668.11		914,050.80		2,036,718.91
Gross profit from sales (markup)		$147,451.80		$118,846.57		$266,298.37
Operating expense						
Salaries and wages	$96,298.48		$79,215.69		$175,514.17	
Paid overtime	1,512.63		1,228.90		2,741.53	
Equipment rental	4,425.35		5,269.12		9,694.47	
Equipment operation expense	968.63		1,063.67		2,032.30	
Light, heat, power, water	2,748.69		1,921.32		4,670.01	
Telephone and telegraph	1,855.71		2,171.70		4,027.41	
Miscellaneous office expense	1,184.18		734.98		1,919.16	
Packaging and shipping	3,367.17		2,157.36		5,524.53	
Miscellaneous and special warehouse expense	5,839.56		4,077.18		9,916.74	
Inventory adjustments	—887.60		—1,028.40		—1,916.00	
Abatements to operating expense	—4,873.15		—3,886.05		—8,759.20	
Price adjustments	—1,194.41		—1,423.77		—2,618.18	
Total operating expense		111,245.24		91,501.70		202,746.94
Gross gain from warehouse operations		$36,206.56		$27,344.87		$63,551.43

Other expense						
Incoming freight			$4.34		$4.34	
Outgoing freight	$19,188.76		19,245.59		38,434.35	
Research and testing	920.84		912.18		1,833.02	
Total other expense		20,109.60		20,162.11		40,271.71
Net gain from operations		$16,096.96		$7,182.76		$23,279.72
Cash discount earned		5,587.44		7,296.69		12,884.13
Net income for year		$21,684.40		$14,479.45		$36,163.85
Surplus, July 1, 1953	$80,920.71		$14,617.63		$95,538.34	
Surplus adjustments	7,082.24		—25,337.55		—18,255.31	
		88,002.95		—10,719.92		77,283.03
Accumulated Surplus, June 30, 1954		$109,687.35		$3,759.53		$113,446.88

STATEMENT 10—Continued

SUMMARY OF FINANCIAL TRANSACTIONS

July 1, 1947, to June 30, 1954

	Northern warehouse		Southern warehouse		Totals	
Sales		$6,723,711.40		$4,412,215.64		$11,135,927.04
Cost of sales:						
Purchases	$6,891,976.38		$4,662,628.06		$11,554,604.44	
Inventory adjustments	—23,176.29		—46,683.62		—69,859.91	
	$6,868,800.09		$4,615,944.44		$11,484,744.53	
Inventory, June 30, 1954	930,661.75		768,971.92		1,699,633.67	
Cost of sales (disbursements)		5,938,138.34		3,846,972.52		9,785,110.86
Gross profit from sales (markup)		$785,573.06		$565,243.12		$1,350,816.18
Operating expense		608,511.75		479,064.67		1,087,576.42
Gross gain from warehouse operations		$177,061.31		$86,178.45		$263,239.76
Other expense						
Research and testing	$9,999.00		$7,439.11		$17,438.11	
Incoming freight	.00		4.34		4.34	
Outgoing freight	101,541.86		84,603.00		186,144.86	
		111,540.86		92,046.45		203,587.31
Net gain from operations		$65,520.45		$—5,868.00		$59,652.45
Cash discount earned		17,691.70		18,092.98		35,784.68
Net income		$83,212.15		$12,224.98		$95,437.13
Surplus adjustments-inventory valuation		26,475.20		—8,465.45		18,009.75
Accumulated Surplus, June 30, 1954		$109,687.35		$3,759.53		$113,446.88

STATEMENT 11

STATEMENT OF SOURCES OF ACTUAL AND ESTIMATED REVENUE APPLIED TO BUDGETS REPORTED HEREIN

June 30, 1954

	State highway operating budgets					County highway budgets		Access budget	Access II budget
	1953-1954 Fiscal Year	1952-1953 Fiscal Year	1951-1952 Fiscal Year	1950-1951 Fiscal Year	1949-1950 Fiscal Year	Prior	Continuous		
State funds:									
Highway user taxes									
Motor vehicle fuel tax	$179,384,978.47	$112,242,605.49	$104,075,699.76	$96,798,516.45	$91,117,293.13				
Use fuel tax	12,522,308.54	7,483,634.14	6,986,233.25	5,495,522.23	4,532,978.33				
Transportation tax	14,269,413.97	11,575,603.25	10,809,964.96	8,672,855.48	7,450,896.25				
Motor vehicle fees	74,540,281.12	45,687,318.65	38,095,325.53	39,961,465.00	37,052,430.42				
Total highway users tax	$280,716,982.10	$176,989,161.53	$159,967,223.50	$150,928,359.16	$140,153,598.13				
Less apportionments to counties Section 2104, Streets and Highways Code	8,691,509.30	8,305,454.84	7,803,885.58	7,086,108.93	6,524,475.96				
Net total, highway users tax	$272,025,472.80	$168,683,706.69	$152,163,337.92	$143,842,250.23	$133,629,122.17				
Sale of Topock Bridge					18,739.50				
Canceled warrants escheated	1,450.82	80.85	374.00	320.30					
Outdoor advertising fees	76,751.86	85,019.19	70,438.66	61,676.72	64,588.27				
Franchise tax—toll ferries	600.00	600.00	600.00	600.00	600.00				
Interest—state highway fund investment	622,162.56	785,593.00	198,683.50						
Interest—advances to toll bridge authority	31,199.27	7,128.30							
Contributions—highway work	7,265,815.17	1,486,082.46	2,345,961.70	4,783,943.43	1,315,437.43	$4,484,834.67	$13,792,292.85	$331,904.15	
Contributions—other agency work	536,799.18	232,931.33	643,329.96	63,306.27	611,082.62				
County Highway Aid Act—Chapter 138/45 and 952/45						12,000,000.00			
Reimbursement—Bay Bridge approaches—Section 30608—S.&H. Code			6,519,848.91						
Equipment depreciation and sale	1,863,117.79	1,736,244.86	1,721,167.28	1,658,971.89	1,681,093.84				
Recoveries U. S. war damage claims				818,339.61	98,986.66				
Martinez-Benicia ferry tolls	119,638.85								
Total state funds	$282,543,008.30	$173,017,386.68	$163,663,741.93	$151,229,408.45	$137,419,650.49	$16,484,834.67	$13,792,292.85	$331,904.15	

Federal funds:									
Federal aid apportionments									
Primary	$11,273,990.00	$10,160,691.00	$10,244,021.00	$8,037,278.00	$8,025,813.00				
Urban	11,929,002.00	10,761,356.00	10,845,211.00	7,216,292.00	7,216,292.00				
Interstate	1,154,002.00								
Secondary	777,949.00	654,167.00	659,607.00	575,349.00	574,392.00	$13,938,326.00	$27,367,394.00*		
Emergency relief funds	336,800.00			1,000,000.00					
Access highway funds								$34,536,589.57	$1,116,680.30
Total federal funds	$25,471,743.00	$21,576,214.00	$21,748,839.00	$16,828,919.00	$15,816,497.00	$13,938,326.00	$27,367,394.00	$34,536,589.57	$1,116,680.30
Total budgeted revenue	$308,014,751.30	$194,593,600.68	$185,412,580.93	$168,058,327.45	$153,236,147.49	$30,423,160.67	$41,159,686.85	$34,868,493.72	
Transfers from prior years	19,505,108.70	23,011,411.67	21,530,169.89	30,178,877.54	22,800,961.24				
Transfers to ensuing years	—18,642,788.17	—19,505,108.70	—23,011,411.67	—21,530,169.89	—30,178,877.54				
Net adjusted budget and contributions	$308,877,071.83	$198,099,903.65	$183,931,339.15	$176,707,035.10	$145,858,231.19	$30,423,160.67	$41,159,686.85	$34,868,493.72	$1,116,680.30

* Includes federal aid apportionment for the 1954-55 Fiscal Year totaling $5,091,975.

STATEMENT 12(a)

STATE HIGHWAY OPERATING BUDGET, 1953-1954 FISCAL YEAR

Statement of Budgetary Transactions as of June 30, 1954

	Unencumbered balance from 1953-1954 Fiscal Year	Original budget	Budgetary adjustments	Contributions	Adjusted budget and contributions	Expenditures and obligations	Unencumbered balance
Preliminary engineering:							
North		$4,500,000.00	$2,763,678.69		$7,263,678.69	$7,263,678.69	
Contributions—north				$103,298.19	103,298.19	103,298.19	
South		5,500,000.00	1,732,521.16		7,232,521.16	7,232,521.16	
Contributions—south				13,249.36	13,249.36	13,249.36	
Totals		$10,000,000.00	$4,496,199.85	$116,547.55	$14,612,747.40	$14,612,747.40	
Rights of way:							
North		$10,528,000.00	$14,654,666.09		$25,182,666.09	$25,182,666.09	
Contributions—north				$20,238.61	20,238.61	20,238.61	
South		23,393,000.00	23,932,190.19		47,325,190.19	47,325,190.19	
Contributions—south				383,302.93	383,302.93	383,302.93	
Totals		$33,921,000.00	$38,586,856.28	$403,541.54	$72,911,397.82	$72,911,397.82	
Construction engineering:							
North		$3,500,000.00	$2,742,287.65		$6,242,287.65	$6,242,287.65	
Contributions—north							
South		4,500,000.00	825,084.48		5,325,084.48	5,325,084.48	
Contributions—south				$50,598.75	50,598.75	50,598.75	
Totals		$8,000,000.00	$3,567,372.13	$50,598.75	$11,617,970.88	$11,617,970.88	
Major construction and improvement:							
North		$39,466,000.00	$25,961,370.03		$65,427,370.03	$65,427,370.03	
Contributions—north				$5,838,694.72	5,838,694.72	5,256,277.74	[a]$582,416.98
South		37,848,000.00	32,339,050.44		70,187,050.44	70,187,050.44	
Contributions—south				782,315.02	782,315.02	782,315.02	
Totals		$77,314,000.00	$58,300,420.47	$6,621,009.74	$142,235,430.21	$141,653,013.23	[a]$582,416.98
Minor improvement and betterment:							
North		$600,000.00	$—221,802.23		$378,197.77	$378,197.77	
Contributions—north				$4,849.40	4,849.40	4,849.40	
South		400,000.00	—99,270.74		300,729.26	300,729.26	
Contributions—south				8,674.32	8,674.32	8,674.32	
Totals		$1,000,000.00	$—321,072.97	$13,523.72	$692,450.75	$692,450.75	
State aid—county highways:							
North			$546,959.00		$546,959.00	$546,959.00	
South			209,093.00		209,093.00	209,093.00	
Totals			$756,052.00		$756,052.00	$756,052.00	

Cities ¼ cent state highways:							
North	$345,640.95		$—1,264.74		$344,376.21	$12,259.92	$332,116.29
South	12,905.55				12,905.55	7,117.05	5,788.50
Totals	$358,546.50		$—1,264.74		$357,281.76	$19,376.97	$337,904.79
Joint highway districts:							
North			$28,385.18		$28,385.18	$28,385.18	
Contingency reserves:							
North	$4,436,872.61	$2,480,000.00	$—2,679,673.41		$4,237,199.20		$4,237,199.20
South	5,760,217.17	3,005,000.00	—5,411,927.55		3,353,289.62		3,353,289.62
Totals	$10,197,089.78	$5,485,000.00	$—8,091,600.96		$7,590,488.82		$7,590,488.82
Summary:							
North	$4,782,513.56	$61,074,000.00	$43,794,606.26	$5,967,080.92	$115,618,200.74	$110,466,468.27	$5,151,732.47
South	5,773,122.72	74,646,000.00	53,526,740.98	1,238,140.38	135,184,004.08	131,824,925.96	3,359,078.12
Totals	$10,555,636.28	$135,720,000.00	$97,321,347.24	$7,205,221.30	$250,802,204.82	$242,291,394.23	$8,510,810.59
City streets	$7,129,996.96	$23,200,000.00	$3,875,214.71		$34,205,211.67	$25,419,907.01	$8,785,304.66
General maintenance		24,000,000.00	—10,652,850.76	$32,204.99	13,379,354.23	13,379,354.23	
Major slides			1,256,805.49	250.00	1,257,055.49	1,257,055.49	
Replacement and improved service			7,698,053.28	13,209.86	7,711,263.14	7,711,263.14	
Maintenance performed by cities			1,442,113.51		1,442,113.51	1,442,113.51	
Martinez-Benicia ferry operation			219,638.85		219,638.85	219,638.85	
Honor camp construction			1,046,536.76		1,046,536.76	1,046,536.76	
Emergency damage repairs	50,000.00		682,832.12		732,832.12	709,416.91	23,415.21
Buildings and plants		3,500,000.00	226,234.09		3,726,234.09	3,726,234.09	
Nonrental equipment			689,426.31		689,426.31	689,426.31	
Construction and automotive equipment	1,028,305.99		2,363,117.79		3,391,423.78	2,023,243.10	1,368,180.68
Highway planning		1,750,000.00	67,026.51	14,929.02	1,831,955.53	1,831,955.53	
Administration		5,000,000.00	936,168.22		5,936,168.22	5,936,168.22	
Work for other state agencies				536,799.18	536,799.18	481,867.73	[b]54,931.45
Supervision of outdoor advertising	34,890.44	70,000.00	6,751.86		111,642.30	74,148.29	37,494.01
Federal aid secondary reserve		5,760,000.00	—5,760,000.00				
Reserve for legislative appropriations	706,279.03		—206,279.03		500,000.00		500,000.00
Totals	$19,505,108.70	$199,000,000.00	$101,212,136.95	$7,802,614.35	$327,519,860.00	$308,239,723.40	$19,280,136.60
Less transfers to 1954-1955 Fiscal Year budget					18,642,788.17		18,642,788.17
Net adjusted budget					$308,877,071.83	$308,239,723.40	$637,348.43

[a]Contributions held pending determination of ultimate disposition thereof $582,416.98
[b]Work for Other State Agencies funds retained in the 1953-1954 Fiscal Year budget 54,931.45

$637,348.43

STATEMENT 12(b)

STATE HIGHWAY OPERATING BUDGET, 1952-1953 FISCAL YEAR

Statement of Budgetary Transactions as of June 30, 1954

	Unencumbered balance from 1951-1952 Fiscal Year	Original budget	Budgetary adjustments	Contributions	Adjusted budget and contributions	Expenditures and obligations	Unencumbered balance
Preliminary engineering:							
North		$3,300,000.00	$2,467,435.72		$5,767,435.72	$5,767,435.72	
Contributions—north				$173,737.89	173,737.89	173,737.89	
South		4,700,000.00	778,131.42		5,478,131.42	5,478,131.42	
Contributions—south				7,456.14	7,456.14	7,456.14	
Totals		$8,000,000.00	$3,245,567.14	$181,194.03	$11,426,761.17	$11,426,761.17	
Rights of way:							
North		$11,474,000.00	$2,881,089.11		$14,355,089.11	$14,355,089.11	
Contributions—north				$48,610.92	48,610.92	48,610.92	
South		19,863,000.00	2,452,253.15		22,315,253.15	22,315,253.15	
Contributions—south				100,434.36	100,434.36	100,434.36	
Totals		$31,337,000.00	$5,333,342.26	$149,045.28	$36,819,387.54	$36,819,387.54	
Construction engineering:							
North		$3,200,000.00	$870,505.28		$4,070,505.28	$4,070,505.28	
Contributions—north				$191,032.67	191,032.67	191,032.67	
South		3,500,000.00	1,138,311.23		4,638,311.23	4,638,311.23	
Contributions—south				52,702.89	52,702.89	52,702.89	
Totals		$6,700,000.00	$2,008,816.51	$243,735.56	$8,952,552.07	$8,952,552.07	
Major construction and improvement:							
North		$37,713,000.00	$409,818.28		$38,122,818.28	$38,122,818.28	
Contributions—north				$137,470.34	137,470.34	136,432.75	[a]$1,037.59
South		36,130,000.00	4,993,213.00		41,123,213.00	41,123,213.00	
Contributions—south				681,472.70	681,472.70	679,717.70	[a]1,755.00
Totals		$73,843,000.00	$5,403,031.28	$818,943.04	$80,064,974.32	$80,062,181.73	[a]$2,792.59
Minor improvement and betterment:							
North		$600,000.00	$—105,146.63		$494,853.37	$494,853.37	
Contributions—north				$10,155.31	10,155.31	10,155.31	
South		400,000.00	—26,766.70		373,233.30	373,233.30	
Contributions—south				5,768.56	5,768.56	5,768.56	
Totals		$1,000,000.00	$—131,913.33	$15,923.87	$884,010.54	$884,010.54	

Cities ¼ cent state highways:							
North	$788,797.09				$788,797.09	$443,156.14	$345,640.95
South	105,998.27				105,998.27	93,092.72	12,905.55
Totals	$894,795.36				$894,795.36	$536,248.86	$358,546.50
Joint highway districts:							
North			$43,128.48		$43,128.48	$43,128.48	
Contingency reserves:							
North	$6,813,547.23	$2,558,243.00	$—4,934,917.62		$4,436,872.61		$4,436,872.61
South	5,771,835.73	2,898,408.00	—2,910,026.56		5,760,217.17		5,760,217.17
Totals	$12,585,382.96	$5,456,651.00	$—7,844,944.18		$10,197,089.78		$10,197,089.78
Summary:							
North	$7,602,344.32	$58,845,243.00	$1,631,912.62	$561,007.13	$68,640,507.07	$63,856,955.92	$4,783,551.15
South	5,877,834.00	67,491,408.00	6,425,115.54	847,834.65	80,642,192.19	74,867,314.47	5,774,877.72
Totals	$13,480,178.32	$126,336,651.00	$8,057,028.16	$1,408,841.78	$149,282,699.26	$138,724,270.39	$10,558,428.87
City streets	$6,161,358.33	$21,803,532.00	$607,076.76		$28,571,967.09	$21,441,970.13	$7,129,996.96
General maintenance		23,000,000.00	—10,897,558.53	$22,333.38	12,124,774.85	12,124,774.85	
Major slides			2,022,331.98	32,083.23	2,054,415.21	2,054,415.21	
Replacement and improved service			7,736,850.39	638.11	7,737,488.50	7,737,488.50	
Maintenance performed by cities			1,533,599.31		1,533,599.31	1,533,599.31	
Emergency damage repairs	128,125.14		—78,125.14		50,000.00		50,000.00
Buildings and plants		3,500,000.00	850,966.41		4,350,966.41	4,350,966.41	
Nonrental equipment			722,848.80		722,848.80	722,848.80	
Construction and automotive equipment	1,589,216.94		1,736,244.86		3,325,461.80	2,297,155.81	1,028,305.99
Highway planning		1,500,000.00	123,179.43	22,185.96	1,645,365.39	1,645,365.39	
Administration		5,000,000.00	161,190.87		5,161,190.87	5,161,190.87	
Work for other state agencies			232,931.33		232,931.33	232,931.33	
Supervision of outdoor advertising	20,005.31	68,000.00	17,019.19		105,024.50	70,134.06	34,890.44
Federal aid secondary reserve		5,282,000.00	—5,282,000.00				
Reserve for legislative appropriations	1,632,527.63		—926,248.60		706,279.03		706,279.03
Totals	$23,011,411.67	$186,490,183.00	$6,617,335.22	$1,486,082.46	$217,605,012.35	$198,097,111.06	$19,507,901.29
Less transfers to 1953-1954 Fiscal Year budget					19,505,108.70		19,505,108.70
Net adjusted budget					$198,099,903.65	$198,097,111.06	$2,792.59
[a]Contributions held pending determination of ultimate disposition thereof							$2,792.59

STATEMENT 12(c)

STATE HIGHWAY OPERATING BUDGET, 1951-1952 FISCAL YEAR

Statement of Budgetary Transactions as of June 30, 1954

	Unencumbered balance from 1950-1951 Fiscal Year	Original budget	Budgetary adjustments	Contributions	Adjusted budget and contributions	Expenditures and obligations	Unencumbered balance
Preliminary engineering:							
North		$2,750,000.00	$1,667,257.30		$4,417,257.30	$4,417,257.30	
Contributions—north				$3,326.29	3,326.29	3,326.29	
South		4,000,000.00	732,001.28		4,732,001.28	4,732,001.28	
Contributions—south				9,646.69	9,646.69	9,646.69	
Totals		$6,750,000.00	$2,399,258.58	$12,972.98	$9,162,231.56	$9,162,231.56	
Rights of way:							
North		$9,531,000.00	$2,903,039.06		$12,434,039.06	$12,434,039.06	
Contributions—north							
South		13,325,000.00	5,264,101.59		18,589,101.59	18,589,101.59	
Contributions—south				$132,026.86	132,026.86	132,026.86	
Totals		$22,856,000.00	$8,167,140.65	$132,026.86	$31,155,167.51	$31,155,167.51	
Construction engineering:							
North		$3,200,000.00	$—206,842.89		$2,993,157.11	$2,993,157.11	
Contributions—north				$15,214.27	15,214.27	15,214.27	
South		3,500,000.00	381,896.29		3,881,896.29	3,881,896.29	
Contributions—south				81,375.87	81,375.87	81,375.87	
Totals		$6,700,000.00	$175,053.40	$96,590.14	$6,971,643.54	$6,971,643.54	
Major construction and improvement:							
North		$33,413,000.00	$5,165,275.08		$38,578,275.08	$38,578,275.08	
Contributions—north				$724,010.85	724,010.85	721,992.85	[a]$2,018.00
South		39,445,500.00	—1,610,486.24		37,835,013.76	37,835,013.76	
Contributions—south				1,355,078.98	1,355,078.98	1,353,683.24	[a]1,395.74
Totals		$72,858,500.00	$3,554,788.84	$2,079,089.83	$78,492,378.67	$78,488,964.93	[a]$3,413.74
Minor improvement and betterment:							
North		$600,000.00	$—122,568.19		$477,431.81	$477,431.81	
Contributions—north				$4,987.53	4,987.53	4,987.53	
South		400,000.00	—40,633.30		359,366.70	359,366.70	
Contributions—south				7,822.63	7,822.63	7,822.63	
Totals		$1,000,000.00	$—163,201.49	$12,810.16	$849,608.67	$849,608.67	

Cities ¼ cent state highways:							
North	$1,212,440.82				$1,212,440.82	$423,643.73	$788,797.09
South	358,676.70				358,676.70	252,678.43	105,998.27
Totals	$1,571,117.52				$1,571,117.52	$676,322.16	$894,795.36
Joint highway districts:							
North			$17,008.00		$17,008.00	$17,008.00	
Contingency reserves:							
North	$6,046,941.30	$2,481,000.00	$—1,714,394.07		$6,813,547.23		$6,813,547.23
South	6,191,084.34	2,854,500.00	—3,273,748.61		5,771,835.73		5,771,835.73
Totals	$12,238,025.64	$5,335,500.00	$—4,988,142.68		$12,585,382.96		$12,585,382.96
Summary:							
North	$7,259,382.12	$51,975,000.00	$7,708,774.29	$747,538.94	$67,690,695.35	$60,086,333.03	$7,604,362.32
South	6,549,761.04	63,525,000.00	1,453,131.01	1,585,951.03	73,113,843.08	67,234,613.34	5,879,229.74
Totals	$13,809,143.16	$115,500,000.00	$9,161,905.30	$2,333,489.97	$140,804,538.43	$127,320,946.37	$13,483,592.06
City streets	$5,329,374.43	$20,500,000.00	$277,496.69		$26,106,871.12	$19,945,512.79	$6,161,358.33
General maintenance		21,000,000.00	—10,680,778.16	$2,034.47	10,321,256.31	10,321,256.31	
Major slides			3,141,757.56	264.03	3,142,021.59	3,142,021.59	
Replacement and improved service			9,048,068.51		9,048,068.51	9,048,068.51	
Maintenance performed by cities			1,568,111.93		1,568,111.93	1,568,111.93	
Emergency damage repairs	1,482,462.27		— 72,041.58		1,410,420.69	1,282,295.55	128,125.14
Building and plants		3,500,000.00	—2,005,366.90		1,494,633.10	1,494,633.10	
Nonrental equipment			468,428.18		468,428.18	468,428.18	
Construction and automotive equipment			3,913,922.79		3,913,922.79	2,324,705.85	1,589,216.94
Highway planning		1,500,000.00	—189,958.06	10,173.23	1,320,215.17	1,320,215.17	
Administration		4,500,000.00	481,825.72		4,981,825.72	4,981,825.72	
Work for other state agencies			643,329.96		643,329.96	643,329.96	
Supervision of outdoor advertising	16,141.03	65,000.00	5,438.66		86,579.69	66,574.38	20,005.31
Federal aid secondary reserve		5,700,000.00	—5,700,000.00				
Reserve for legislative appropriations	893,049.00		739,478.63		1,632,527.63		1,632,527.63
Totals	$21,530,169.89	$172,265,000.00	$10,801,619.23	$2,345,961.70	$206,942,750.82	$183,927,925.41	$23,014,825.41
Less transfers to the 1952-1953 Fiscal Year					23,011,411.67		23,011,411.67
Net adjusted budget					$183,931,339.15	$183,927,925.41	$3,413.74
[a]Contributions held pending determination of ultimate disposition thereof							$3,413.74

STATEMENT 12(d)

STATE HIGHWAY OPERATING BUDGET, 1950-1951 FISCAL YEAR

Statement of Budgetary Transactions as of June 30, 1954

	Unencumbered balance from 1949-1950 Fiscal Year	Original budget	Budgetary adjustments	Contributions	Adjusted budget and contributions	Expenditures and obligations	Unencumbered balance
Preliminary engineering:							
North		$2,100,000.00	$1,289,998.73		$3,389,998.73	$3,389,998.73	
Contributions—north				$107.76	107.76	107.76	
South		3,600,000.00	959,343.06		4,559,343.06	4,559,343.06	
Contributions—south				8,383.01	8,383.01	8,383.01	
Totals		$5,700,000.00	$2,249,341.79	$8,490.77	$7,957,832.56	$7,957,832.56	
Rights of way:							
North		$8,889,200.00	$3,998,819.79		$12,888,019.79	$12,888,019.79	
Contributions—north							
South		11,895,000.00	8,210,360.90		20,105,360.90	20,105,360.90	
Contributions—south				$25,476.32	25,476.32	25,476.32	
Totals		$20,784,200.00	$12,209,180.69	$25,476.32	$33,018,857.01	$33,018,857.01	
Construction engineering:							
North		$3,000,000.00	$—145,811.35		$2,854,188.65	$2,854,188.65	
Contributions—north				$42,889.88	42,889.88	42,889.88	
South		3,300,000.00	—114,670.23		3,185,329.77	3,185,329.77	
Contributions—south				173,156.89	173,156.89	173,156.89	
Totals		$6,300,000.00	$—260,481.58	$216,046.77	$6,255,565.19	$6,255,565.19	
Major construction and improvement:							
North		$26,086,000.00	$2,989,060.99		$29,075,060.99	$29,075,060.99	
Contributions—north				$1,548,571.54	1,548,571.54	1,548,571.54	
South		30,816,000.00	7,929,044.59		38,745,044.59	38,745,044.59	
Contributions—south				2,944,500.48	2,944,500.48	2,944,500.48	
Totals		$56,902,000.00	$10,918,105.58	$4,493,072.02	$72,313,177.60	$72,313,177.60	
Minor improvement and betterment:							
North		$750,000.00	$45,320.21		$795,320.21	$795,320.21	
Contributions—north				$7,688.90	7,688.90	7,688.90	
South		750,000.00	—230,360.21		519,639.79	519,639.79	
Contributions—south				5,348.01	5,348.01	5,348.01	
Totals		$1,500,000.00	$—185,040.00	$13,036.91	$1,327,996.91	$1,327,996.91	

Cities ¼ cent state highways:							
North	$2,171,191.82				$2,171,191.82	$958,751.00	$1,212,440.82
South	507,329.62				507,329.62	148,652.92	358,676.70
Totals	$2,678,521.44				$2,678,521.44	$1,107,403.92	$1,571,117.52
Joint highway districts:							
North			$150,333.00		$150,333.00	$150,333.00	
Contingency reserves:							
North	$6,685,598.62	$2,676,750.00	$—3,315,407.32		$6,046,941.30		$6,046,941.30
South	14,010,590.86	2,808,050.00	—10,627,556.52		6,191,084.34		6,191,084.34
Totals	$20,696,189.48	$5,484,800.00	$—13,942,963.84		$12,238,025.64		$12,238,025.64
Summary:							
North	$8,856,790.44	$43,501,950.00	$5,012,314.05	$1,599,258.08	$58,970,312.57	$51,710,930.45	$7,259,382.12
South	14,517,920.48	53,169,050.00	6,126,161.59	3,156,864.71	76,969,996.78	70,420,235.74	6,549,761.04
Totals	$23,374,710.92	$96,671,000.00	$11,138,475.64	$4,756,122.79	$135,940,309.35	$122,131,166.19	$13,809,143.16
City streets	$5,534,134.44	$18,167,000.00	$1,162,746.64		$24,863,881.08	$19,534,506.65	$5,329,374.43
General maintenance		10,000,000.00	—232,071.50		9,767,928.50	9,767,928.50	
Major slides		1,400,000.00	965,075.50	$27,820.64	2,392,896.14	2,392,896.14	
Replacement and improved service		6,850,000.00	142,615.00		6,992,615.00	6,992,615.00	
Maintenance performed by cities		1,750,000.00	—222,432.21		1,527,567.79	1,527,567.79	
Emergency damage repairs			3,489,059.06		3,489,059.06	2,006,596.79	1,482,462.27
Buildings and plants		1,000,000.00	2,354,521.99		3,354,521.99	3,354,521.99	
Nonrental equipment			530,409.37		530,409.37	530,409.37	
Construction and automotive equipment		1,000,000.00	1,189,803.38		2,189,803.38	2,189,803.38	
Highway planning		1,000,000.00	39,489.38		1,039,489.38	1,039,489.38	
Administration		4,500,000.00	253,708.78		4,753,708.78	4,753,708.78	
Work for other state agencies	361,967.62		63,306.27		425,273.89	425,273.89	
Supervision of outdoor advertising	15,015.56	60,000.00	1,676.72		76,692.28	60,551.25	16,141.03
Federal aid secondary reserve		4,595,000.00	—4,595,000.00				
Reserve for legislative appropriations	893,049.00				893,049.00		893,049.00
Totals	$30,178,877.54	$146,993,000.00	$16,281,384.02	$4,783,943.43	$198,237,204.99	$176,707,035.10	$21,530,169.89
Less transfer to the 1951-1952 fiscal year budget					21,530,169.89		21,530,169.89
Net adjusted budget					$176,707,035.10	$176,707,035.10	

STATEMENT 12(e)

STATE HIGHWAY OPERATING BUDGET, 1949-1950 FISCAL YEAR

Final Statement of Budgetary Transactions as of June 30, 1954

	Unencumbered balance from 1948-1949 Fiscal Year	Original budget	Budgetary adjustments	Contributions	Adjusted budget and contributions	Expenditures	Unencumbered balance
Preliminary engineering:							
North		$2,100,000.00	$353,207.15		$2,453,207.15	$2,453,207.15	
Contributions—north				$31,123.06	31,123.06	31,123.06	
South		2,400,000.00	1,103,340.76		3,503,340.76	3,503,340.76	
Contributions—south				89,847.39	89,847.39	89,847.39	
Totals		$4,500,000.00	$1,456,547.91	$120,970.45	$6,077,518.36	$6,077,518.36	
Rights of way:							
North		$5,879,500.00	$3,182,296.60		$9,061,796.60	$9,061,796.60	
Contributions—north				$266,812.78	266,812.78	266,812.78	
South		11,822,000.00	—687,393.87		11,134,606.13	11,134,606.13	
Contributions—south				189,940.73	189,940.73	189,940.73	
Totals		$17,701,500.00	$2,494,902.73	$456,753.51	$20,653,156.24	$20,653,156.24	
Construction engineering:							
North		$2,600,000.00	$275,285.99		$2,875,285.99	$2,875,285.99	
Contributions—north							
South		2,600,000.00	92,954.14		2,692,954.14	2,692,954.14	
Contributions—south				$42,820.00	42,820.00	42,820.00	
Totals		$5,200,000.00	$368,240.13	$42,820.00	$5,611,060.13	$5,611,060.13	
Major construction and improvement:							
North		$31,319,000.00	$—1,462,461.28		$29,856,538.72	$29,856,538.72	
Contributions—north				$69,226.90	69,226.90	69,226.90	
South		34,684,000.00	—763,306.26		33,920,693.74	33,920,693.74	
Contributions—south				466,880.56	466,880.56	466,880.56	
Totals		$66,003,000.00	$—2,225,767.54	$536,107.46	$64,313,339.92	$64,313,339.92	
Minor improvement and betterment:							
North		$425,000.00	$219,717.42		$644,717.42	$644,717.42	
Contributions—north				$62,494.10	62,494.10	62,494.10	
South		725,000.00	—131,537.69		593,462.31	593,462.31	
Contributions—south				72,035.46	72,035.46	72,035.46	
Totals		$1,150,000.00	$88,179.73	$134,529.56	$1,372,709.29	$1,372,709.29	

Cities ¼ cent state highways:							
North	$3,367,963.80				$3,367,963.80	$1,196,771.98	$2,171,191.82
South	1,632,989.59				1,632,989.59	1,125,659.97	507,329.62
Totals	$5,000,953.39				$5,000,953.39	$2,322,431.95	$2,678,521.44
Joint highway districts:							
North			$105,103.66		$105,103.66	$105,103.66	
Contingency reserves:							
North	$4,554,877.74	$2,515,400.00	$—384,679.12		$6,685,598.62		$6,685,598.62
South	8,388,861.92	2,572,100.00	3,049,628.94		14,010,590.86		14,010,590.86
Totals	$12,943,739.66	$5,087,500.00	$2,664,949.82		$20,696,189.48		$20,696,189.48
Summary:							
North	$7,922,841.54	$44,838,900.00	$2,288,470.42	$429,656.84	$55,479,868.80	$46,623,078.36	$8,856,790.44
South	10,021,851.51	54,803,100.00	2,663,686.02	861,524.14	68,350,161.67	53,832,241 19	14,517,920.48
Totals	$17,944,693.05	$99,642,000.00	$4,952,156.44	$1,291,180.98	$123,830,030.47	$100,455,319.55	$23,374,710.92
City streets	$4,331,829.48	$18,400,000.00	$—230,900.05		$22,500,929.43	$16,966,794.99	$5,534,134.44
General maintenance		8,312,000.00	384,844.61		8,696,844.61	8,696,844.61	
Major slides		1,300,000.00	7,249.80		1,307,249.80	1,307,249.80	
Replacement and improved service		6,188,000.00	23,549.48		6,211,549.48	6,211,549.48	
Maintenance performed by cities		3,200,000.00	—323,694.06		2,876,305.94	2,876,305.94	
Buildings and plants		2,000,000.00	—961,786.81		1,038,213.19	1,038,213.19	
Nonrental equipment			392,007.53		392,007.53	392,007.53	
Construction and automotive equipment		2,000,000.00	—39,502.06		1,960,497.94	1,960,497.94	
Highway planning		1,000,000.00	—184,205.20	24,256.45	840,051.25	840,051.25	
Administration		4,500,000.00	—209,729.51		4,290,270.49	4,290,270.49	
Work for other state agencies	511,447.11		611,082.62		1,122,529.73	760,562.11	361,967.62
Supervision of outdoor advertising	12,991.60	60,000.00	4,588.27		77,579.87	62,564.31	15,015.56
Federal aid secondary reserve		4,595,138.00	—4,595,138.00				
Reserve for legislative appropriations			893,049.00		893,049.00		893,049.00
Totals	$22,800,961.24	$151,197,138.00	$723,572.06	$1,315,437.43	$176,037,108.73	$145,858,231.19	$30,178,877.54
Less transfer to 1950-1951 Fiscal Year budget					30,178,877.54		30,178,877.54
Net adjusted budget					$145,858,231.19	$145,858,231.19	

STATEMENT 12(f)

COUNTY HIGHWAY BUDGET—CONTINUOUS
STATEMENT OF BUDGETARY TRANSACTIONS AS OF JUNE 30, 1954

Apportionments to Counties of Federal Aid Secondary Funds Under Federal Highway Aid Acts of 1948, 1950 and 1952

County	Federal funds			Contributions		
	Apportionment	Work orders	Unencumbered balance	Amount budgeted	Work orders	Unencumbered balance
Alameda	$337,065.00	$213,142.00	$123,923.00	$398,983.62	$398,983.62	----------
Alpine	137,097.00	91,644.45	45,452.55	75,045.80	75,045.80	----------
Amador	137,621.00	86,224.00	51,397.00	25,124.92	10,124.92	15,000.00
Butte	482,884.00	307,312.00	175,572.00	410,935.24	344,933.78	66,001.46
Calaveras	168,431.00	99,300.00	69,131.00	85,742.80	85,129.25	613.55
Colusa	177,116.00	146,542.00	30,574.00	134,340.99	126,305.91	8,035.08
Contra Costa	515,460.00	410,339.00	105,121.00	327,565.52	318,511.66	9,053.86
Del Norte	137,097.00	99,656.64	37,440.36	22,783.11	22,481.30	301.81
El Dorado	244,989.00	189,986.00	55,003.00	116,173.00	115,615.51	557.49
Fresno	1,454,924.00	816,121.00	638,803.00	494,334.94	463,131.86	31,203.08
Glenn	220,608.00	168,498.00	52,110.00	143,279.06	141,279.06	2,000 00
Humboldt	560,773.00	375,060.00	185,713.00	208,767.01	191,355.28	17,411.73
Imperial	578,047.00	445,407.00	132,640.00	13,394.00	12,488.63	905.37
Inyo	683,993.00	403,669.00	280,324.00	207,265.92	205,520.15	1,745.77
Kern	1,224,369.00	1,097,583.00	126,786.00	934,176.21	898,536.29	35,639.92
Kings	333,615.00	228,734.00	104,881.00	154,284.15	136,223.35	18,060.80
Lake	192,777.00	120,359.00	72,418.00	8,960.78	5,642.78	3,318.00
Lassen	396,191.00	333,444.00	62,747.00	197,800.00	190,409.61	7,390.39
Los Angeles	1,735,231.00	1,357,817.00	377,414.00	1,250,172.58	1,211,539.91	38,632.67
Madera	349,376.00	208,573.00	140,803.00	101,519.54	96,992.27	4,527.27
Marin	210,912.00	156,500.00	54,412.00	109,395.19	95,376.19	14,019.00
Mariposa	171,477.00	108,508.00	62,969.00	3,500.00	2,000.00	1,500.00
Mendocino	469,338.00	469,338.00	----------	354,670.61	324,523.08	30,147.53
Merced	501,825.00	323,134.00	178,691.00	269,458.50	245,665.22	23,793.28
Modoc	340,749.00	223,226.00	117,523.00	227,961.16	184,067.38	43,893.78

Mono	246,867.00	153,628.00	93,239.00	4,152.68	4,152.68	
Monterey	597,641.00	505,075.00	92,566.00	284,183.35	240,125.50	44,057.85
Napa	267,047.00	156,828.00	110,219.00	120,750.33	117,446.85	3,303.48
Nevada	173,196.00	108,770.00	64,426.00	40,063.00	40,052.67	10.33
Orange	559,543.00	516,313.00	43,230.00	364,509.28	345,909.28	18,600.00
Placer	322,003.00	166,831.00	155,172.00	136,706.91	136,469.46	237.45
Plumas	282,967.00	241,815.00	41,152.00	249,669.95	248,166.05	1,503.90
Riverside	1,053,784.00	831,092.00	222,692.00	420,052.30	364,951.69	55,100.61
Sacramento	642,649.00	642,649.00		558,117.09	546,568.30	11,548.79
San Benito	198,836.00	126,443.00	72,393.00			
San Bernardino	1,919,016.00	1,032,200.00	886,816.00	669,045.30	609,228.19	59,817.11
San Diego	957,652.00	525,006.00	432,646.00	629,871.05	552,697.87	77,173.18
San Joaquin	641,013.00	527,539.00	113,474.00	413,837.79	365,477.96	48,359.83
San Luis Obispo	446,315.00	275,032.00	171,283.00	234,885.56	193,976.82	40,908.74
San Mateo	194,946.00	194,946.00		312,608.41	312,608.41	
Santa Barbara	400,501.00	248,112.00	152,389.00	1,200.00	1,200.00	
Santa Clara	648,633.00	407,064.00	241,569.00	490,866.80	489,463.23	1,403.57
Santa Cruz	244,164.00	194,966.00	49,198.00	111,793.41	107,784.61	4,008.80
Shasta	462,257.00	375,263.00	86,994.00	387,437.00	384,387.38	3,049.62
Sierra	137,097.00	116,924.00	20,173.00	80,494.60	80,494.60	
Siskiyou	591,421.00	388,448.00	202,973.00	75,420.12	71,808.60	3,611.52
Solano	256,825.00	207,802.00	49,023.00	193,330.06	192,599.16	730.90
Sonoma	712,920.00	415,746.52	297,173.48	355,541.14	336,960.92	18,580.22
Stanislaus	634,649.00	368,100.00	266,549.00	290,046.22	244,518.36	45,527.86
Sutter	207,450.00	129,473.00	77,977.00	95,471.01	95,471.01	
Tehama	325,125.00	249,953.00	75,172.00	89,434.35	89,434.35	
Trinity	287,470.00	235,301.00	52,169.00	1,000.00	1,000.00	
Tulare	1,080,947.00	890,516.00	190,431.00	556,031.33	531,635.58	24,395.75
Tuolumne	238,871.00	151,938.00	86,933.00	3,000.00	3,000.00	
Ventura	478,555.00	250,319.00	228,236.00	204,699.35	178,256.20	26,443.15
Yolo	238,454.00	110,036.00	128,418.00	47,252.81	47,252.81	
Yuba	156,615.00	151,500.00	5,115.00	95,187.00	95,187.00	
Totals	*$27,367,394.00	$19,375,745.61	*$7,991,648.39	$13,792,292.85	$12,930,168.35	$862,124.50

* Includes federal aid apportionment for the 1954-55 Fiscal Year totaling $5,091,975.

STATEMENT 12(g)

COUNTY HIGHWAY BUDGET—PRIOR
STATEMENT OF BUDGETARY TRANSACTIONS AS OF JUNE 30, 1954

Apportionment to Counties of Federal Aid Secondary Funds Under Federal Aid Act of 1944 and State Funds Under County Highway Aid Act, Chapters 938 and 952, Statutes of 1945

County	State and federal funds			Contributions		
	Apportionment	Work orders	Unencumbered balance	Amount budgeted	Work orders	Unencumbered balance
Alameda	$321,777.00	$321,777.00		$661.16	$661.16	
Alpine	127,446.00	127,446.00		34,753.51	34,753.51	
Amador	127,446.00	127,446.00		97,417.52	97,417.52	
Butte	420,150.00	420,150.00		446,464.21	446,464.21	
Calaveras	153,782.00	153,782.00		43,231.17	43,231.17	
Colusa	174,538.00	174,538.00		56,032.65	56,032.65	
Contra Costa	371,242.00	371,242.00		107,696.53	107,696.53	
Del Norte	127,446.00	127,446.00		40,599.74	40,599.74	
El Dorado	220,629.00	220,629.00		42,779.37	42,779.37	
Fresno	1,304,780.00	1,304,780.00		61,280.36	61,280.36	
Glenn	207,446.00	207,446.00		156,898.44	156,898.44	
Humboldt	473,566.00	473,566.00		158,407.69	158,407.69	
Imperial	536,729.00	536,729.00		537.13	537.13	
Inyo	631,729.00	631,729.00		2,000.00	2,000.00	
Kern	1,142,313.00	1,142,313.00		160,696.42	159,634.10	$1,062.32
Kings	305,535.00	305,535.00		1,858.91	1,858.91	
Lake	170,905.00	170,905.00		3,460.12	3,460.12	
Lassen	379,042.00	379,042.00		103,300.08	103,300.08	
Los Angeles	2,610,683.00	2,610,683.00				
Madera	310,021.00	310,021.00		62,363.44	62,363.44	
Marin	232,079.00	232,079.00		1,793.03	1,793.03	
Mariposa	161,722.00	161,722.00				
Mendocino	404,430.00	404,430.00		131,628.35	131,628.35	
Merced	437,164.00	437,164.00		6,474.04	6,474.04	
Modoc	323,749.00	323,749.00		134,625.11	134,625.11	

Mono	227,618.00	227,618.00		3,224.09	3,224.09	
Monterey	513,305.00	513,305.00		219,094.76	219,094.76	
Napa	221,482.00	221,482.00		18,542.44	18,542.44	
Nevada	159,645.00	159,645.00		3,684.95	3,684.95	
Orange	488,730.00	488,730.00				
Placer	262,339.00	262,339.00		9,896.10	9,896.10	
Plumas	253,393.00	253,393.00		233,934.09	233,934.09	
Riverside	937,060.00	937,060.00		123,487.69	123,487.69	
Sacramento	569,976.00	569,976.00		1,931.47	1,931.47	
San Benito	182,901.00	182,901.00		2,530.72	2,530.72	
San Bernardino	1,708,114.00	1,708,114.00		4,362.15	4,362.15	
San Diego	741,124.00	741,124.00		265,655.78	265,655.78	
San Joaquin	597,435.00	597,435.00		10,540.78	10,540.78	
San Luis Obispo	401,382.00	401,382.00		25,345.96	25,345.96	
San Mateo	230,138.00	230,138.00		241,471.96	241,471.96	
Santa Barbara	344,544.00	344,544.00				
Santa Clara	585,507.00	585,507.00		40,341.96	40,341.96	
Santa Cruz	207,674.00	207,674.00		2,709.04	2,709.04	
Shasta	415,501.00	415,501.00		57,534.60	57,534.60	
Sierra	127,446.00	127,446.00		1,988.66	1,988.66	
Siskiyou	599,980.00	599,980.00		143,551.58	143,551.58	
Solano	252,563.00	252,563.00		3,400.33	3,400.33	
Sonoma	594,698.00	594,698.00		15,071.41	15,071.41	
Stanislaus	513,457.00	513,457.00		4,563.37	4,563.37	
Sutter	185,165.00	185,165.00		229,311.27	229,311.27	
Tehama	298,520.00	298,520.00		214,346.65	214,346.65	
Trinity	268,597.00	268,597.00		36,696.69	36,696.69	
Tulare	928,002.00	928,002.00		463,054.58	463,054.58	
Tuolumne	221,364.00	221,364.00		1,017.44	1,017.44	
Ventura	401,086.00	401,086.00				
Yolo	225,072.00	225,072.00		84,718.96	84,718.96	
Yuba	149,112.00	149,112.00		155,429.25	155,429.25	
County apportionment	$25,489,279.00	$25,489,279.00		$4,472,397.71	$4,471,335.39	$1,062.32
Grade crossing protection	265,000.00	265,000.00				
Grade crossing projects	184,047.00	184,047.00		12,436.96	12,436.96	
Total budget	$25,938,326.00	$25,938,326.00		$4,484,834.67	$4,483,772.35	$1,062.32

STATEMENT 12(h)

ACCESS HIGHWAYS BUDGET

Statement of Budgetary Transactions as of June 30, 1954

	Budget	Expenditures	Unencumbered Balance
Construction of highways			
North	$6,714,891.44	$6,714,891.44	
Contributions—north	292.81	292.81	
South	7,033,762.14	7,033,762.14	
Off State system—north	7,752,734.51	7,752,734.51	
Contributions—off State system—north	23,749.46	23,749.46	
Off State system—south	13,035,201.48	13,035,201.48	
Contributions—off State system—south	307,861.88	307,861.88	
Totals	$34,868,493.72	$34,868,493.72	

STATEMENT 12(i)

ACCESS HIGHWAYS BUDGET—II

Statement of Budgetary Transactions as of June 30, 1954

	Budget	Expenditures and Obligations	Unencumbered Balance
Construction of highways			
South	$117,000.00	$117,000.00	
Off State system—north	445,537.06	445,537.06	
Off State system—south	554,143.24	554,143.24	
Totals	$1,116,680.30	$1,116,680.30	

STATEMENT 13

HIGHWAY RIGHT OF WAY ACQUISITION FUND

Status of Appropriation as of June 30, 1954

Appropriation Chap. 20/52 2d E.S. (from Motor Vehicle Fuel Fund)	$10,000,000.00	
Less: Reimbursements account of rental collections	1,853.30	$9,998,146.70
Appropriation Chap. 1714/1953 (from available money in Motor Vehicle Fund, Motor Vehicle Transportation Tax Fund and Special Deposit Fund-Motor Vehicle Uncleared collections)		10,000,000.00
Total appropriated funds available for transfer to Highway Right of Way Acquisition Fund		$19,998,146.70
Less: Reimbursable expenditures June 30,1954		7,040,580.13
Total balance available June 30, 1954		$12,957,566.57
Less: Unexpended balances in work orders		8,341,631.43
Unencumbered Balance June 30, 1954		$4,615,935.14

Statement of Financial Condition June 30, 1954

ASSETS	
Cash in treasury, Highway Right of Way Acquisition Fund	$4.93
Accounts receivable	28,415.00
Reimbursable expenditures	7,040,580.13
	$7,069,000.06
LIABILITIES	
Claims filed in transit	$407,091.06
Due Motor Vehicle Fuel Fund	6,661,909.00
	$7,069,000.06

STATEMENT 14

STATEMENT BY COUNTIES SHOWING STATE HIGHWAY EXPENDITURES AND CONTRACT OBLIGATIONS AS COMPARED WITH COUNTY MINIMUMS PURSUANT TO SECTION 188.4 OF THE STREETS AND HIGHWAYS CODE

First Five-year Period Ending June 30, 1952, as of June 30, 1954

Counties	1947-48 Fiscal Year	1948-49 Fiscal Year	1949-50 Fiscal Year	1950-51 Fiscal Year	1951-52 Fiscal Year	Total 1st 5 years	County minimums
Alameda	$3,482,834	$8,615,162	$7,320,803	$8,945,388	$12,157,275	$40,521,462	$23,262,409
Alpine	492	21,428	341,048	62,807	306,899	732,674	460,286
Amador	81,235	245,924	57,851	418,593	375,159	1,178,762	831,883
Butte	14,861	239,886	210,145	606,286	1,666,250	2,737,428	1,243,895
Calaveras	31,151	150,827	126,407	431,979	478,729	1,219,093	709,514
Colusa	4,116	11,299	42,471	148,736	644,880	851,502	647,769
Contra Costa	880,097	1,134,791	1,891,036	1,653,797	4,957,634	10,517,355	4,602,861
Del Norte	231,286	102,578	402,945	859,031	301,017	1,896,857	584,900
El Dorado	53,149	96,116	252,820	1,129,153	837,691	2,368,929	728,599
Fresno	1,480,911	1,031,486	978,950	977,172	1,397,958	5,866,477	2,970,529
Glenn	268,919	115,681	138,155	66,069	174,134	762,958	581,532
Humboldt	624,661	1,141,899	1,177,290	2,617,654	2,362,411	7,923,915	3,147,908
Kings	27,805	246,589	165,670	144,452	389,497	974,013	593,881
Lake	137,696	111,263	268,018	308,904	242,745	1,068,626	708,392
Lassen	280,628	199,477	70,693	172,881	124,560	848,239	438,956
Madera	1,279,467	505,095	1,092,336	810,829	292,259	3,979,986	1,066,516
Marin	192,364	627,198	570,321	1,975,501	2,252,548	5,617,932	1,916,362
Mariposa	2,685	47,706	73,313	248,717	727,274	1,099,695	981,195
Mendocino	1,955,814	632,541	1,078,102	841,226	558,538	5,066,221	2,720,178
Merced	339,440	1,164,037	1,158,001	1,701,654	976,482	5,339,614	2,111,702
Modoc	430,101	455,498	1,367,986	801,376	439,116	3,494,077	616,334
Monterey	86,471	510,729	1,076,154	801,832	2,576,231	5,051,417	2,923,378
Napa	31,186	722,925	721,644	242,616	476,085	2,194,456	807,185
Nevada	607,108	116,630	142,629	87,653	202,962	1,156,982	941,902
Placer	298,149	2,964,379	580,968	544,042	360,754	4,748,292	1,790,625
Plumas	77,453	1,034,528	388,130	69,667	38,633	1,608,411	531,013
Sacramento	1,279,886	1,400,513	196,428	1,683,174	3,081,538	7,641,539	3,354,475
San Benito	90,219	174,658	591,443	629,125	44,356	1,529,801	532,136
San Francisco	2,243,985	6,107,563	7,100,010	8,049,503	7,681,870	31,182,931	20,980,063
San Joaquin	2,168,674	275,120	1,880,866	226,913	554,233	5,105,806	3,199,549

San Mateo	2,682,430	768,614	894,944	1,305,684	1,478,793	7,130,465	3,532,976
Santa Clara	343,655	374,538	2,475,653	1,506,265	2,868,828	7,568,939	3,429,693
Santa Cruz	1,863,027	1,604,560	368,950	249,961	159,004	4,245,502	1,619,982
Shasta	1,665,946	1,695,533	1,969,747	748,714	369,854	6,449,794	1,985,966
Sierra	1,353	10,397	295,115	76,954	380,108	763,927	254,841
Siskiyou	970,900	452,176	1,228,267	1,015,794	643,696	4,310,833	1,776,031
Solano	2,778,275	2,686,993	2,063,746	1,626,083	745,424	9,900,521	1,944,428
Sonoma	138,472	1,822,301	1,149,872	938,421	1,185,111	5,234,177	3,070,445
Stanislaus	76,265	815,379	972,889	923,045	328,566	3,116,144	2,427,167
Sutter	275,539	78,541	39,384	169,726	420,342	983,532	570,306
Tehama	67,997	36,256	83,636	616,647	659,754	1,464,290	1,169,800
Trinity	349,484	360,643	404,463	415,762	462,810	1,993,162	394,050
Tuolumne	129,357	38,644	280,410	940,295	252,228	1,640,934	804,939
Yolo	119,602	158,030	1,227,075	1,283,990	1,719,383	4,508,080	2,516,979
Yuba	76,801	134,971	79,866	78,850	563,549	934,037	781,364
Totals north	$30,221,946	$41,241,102	$44,996,650	$49,152,921	$58,917,168	$224,529,787	$112,264,894
Imperial	817,304	576,718	1,758,460	269,696	1,195,327	4,617,505	1,942,028
Inyo	325,952	112,366	402,432	85,790	253,604	1,180,144	426,071
Kern	1,117,061	1,985,609	3,509,547	1,771,775	2,065,762	10,449,754	6,356,336
Los Angeles	14,996,032	28,874,496	25,228,452	40,548,577	35,164,370	144,811,927	69,587,117
Mono	27,098	255,773	166,114	351,456	195,006	995,447	349,939
Orange	1,390,661	2,047,789	2,082,647	5,549,950	3,586,034	14,657,081	10,837,425
Riverside	2,382,275	1,719,880	3,871,908	2,398,187	3,885,878	14,258,128	6,241,470
San Bernardino	3,333,479	2,563,657	3,418,780	2,063,697	4,007,027	15,386,640	8,542,787
San Diego	2,984,133	3,741,110	4,920,541	6,505,085	4,775,230	22,926,099	8,136,751
San Luis Obispo	2,957,550	771,582	1,957,348	900,613	3,498,081	10,085,174	5,339,910
Santa Barbara	1,626,801	2,221,474	2,407,474	2,013,691	3,013,732	11,283,172	7,378,104
Tulare	1,201,853	2,210,727	967,351	2,332,963	1,819,730	8,532,624	3,451,307
Ventura	1,629,788	900,726	1,154,003	2,323,238	1,937,599	7,945,354	4,975,279
Totals south	$34,789,987	$47,981,907	$51,845,057	$67,114,718	$65,397,380	$267,129,049	$133,564,524
Grand totals	$65,011,933	$89,223,009	$96,841,707	$116,267,639	$124,314,548	$491,658,836	$245,829,418

NOTE: Inasmuch as the above tabulation includes obligations which have not been fully liquidated, the figures with respect to the 1950-51 and 1951-52 Fiscal Years are subject to minor revision based on actual expenditures.

APPENDIX B

APPORTIONMENT OF MOTOR VEHICLE FEES AND FUEL TAXES

(a) Apportionment of Funds Derived From Motor Vehicle Fees and Fuel Taxes (excludes transportation taxes) to June 30, 1954.

(b) County Apportionments of Funds Derived From Motor Vehicle Fees and Fuel Taxes to June 30, 1954.

(c) Statement of Registration of Motor Vehicles in the State of California From Records of the Department of Motor Vehicles to June 30, 1954.

APPORTIONMENT OF FUNDS DERIVED FROM MOTOR VEHICLE FEES AND FUEL TAXES

(Excludes Transportation Taxes)

To June 30, 1954

Fiscal year	To counties	To cities			To division of highways	Total	Total registration during fiscal year	Average per vehicle
		¼ cent for state highways	¼ cent for major city streets	For city streets				
1913-1914					$4,655.17	$4,655.17	148,225	$0.03
1914-1915	$591,717.37				195,115.33	786,832.70	191,196	4.12
1915-1916	932,492.79				1,053,883.03	1,986,375.82	263,434	7.54
1916-1917	964,784.65				1,094,625.67	2,059,410.32	337,333	6.10
1917-1918	1,247,268.80				525,282.27	1,772,551.07	391,447	4.53
1918-1919	1,421,319.79				1,741,701.97	3,163,021.76	505,180	6.26
1919-1920	1,924,299.77				1,924,299.77	3,848,599.54	604,187	6.37
1920-1921	2,434,800.56				2,434,800.57	4,869,601.13	713,485	6.83
1921-1922	3,018,192.36				3,018,192.36	6,036,384.72	897,132	6.73
1922-1923	3,785,054.94				3,785,054.95	7,570,109.89	1,137,445	6.66
1923-1924	7,645,337.75				7,645,337.74	15,290,675.49	1,234,579	12.39
1924-1925	9,434,270.57				9,434,270.58	18,868,541.15	1,484,143	12.71
1925-1926	10,934,875.12				10,934,875.12	21,869,750.24	1,642,506	13.31
1926-1927	12,171,691.02				12,171,691.01	24,343,382.03	1,795,196	13.56
1927-1928	13,383,983.96				19,477,471.90	32,861,455.86	1,840,479	17.85
1928-1929	14,140,231.50				24,169,820.17	38,310,051.67	2,033,083	18.84
1929-1930	15,494,282.81				26,628,480.78	42,122,763.59	2,170,632	19.41
1930-1931	15,355,130.93				27,322,099.95	42,677,230.88	2,174,783	19.62
1931-1932	13,801,032.42				24,268,033.35	38,069,065.77	2,101,669	18.11
1932-1933	14,888,758.93				26,813,870.51	41,702,629.44	2,084,330	20.01
1933-1934	14,428,999.29	$2,251,134.60			24,055,430.43	40,735,564.32	2,072,878	19.65
1934-1935	14,884,335.60	3,040,559.12			24,006,012.98	41,930,907.70	2,233,917	18.77
1935-1936	16,315,822.77	3,350,101.11	$2,569,923.96		23,798,702.16	46,034,550.00	2,448,177	18.80
1936-1937	18,187,547.86	3,697,065.79	3,697,065.79		25,581,679.46	51,163,358.90	2,664,211	19.20
1937-1938	19,381,048.82	3,896,814.22	3,896,814.22		27,379,354.10	54,554,031.36	2,733,417	19.96

1938-1939	19,251,625.00	3,906,297.38	3,906,297.38		27,423,642.10	54,487,861.86	2,786,326	19.56
1939-1940	20,632,112.82	4,163,140.30	4,163,140.30		29,525,621.39	58,484,014.81	2,940,774	19.89
1940-1941	21,376,805.89	4,327,429.64	4,327,429.64		30,810,055.52	60,841,720.69	3,223,661	18.87
1941-1942	23,967,495.95	4,884,358.14	4,884,358.14		34,893,543.07	68,629,755.30	3,156,530	21.74
1942-1943	20,310,414.65	3,982,138.48	3,982,138.48		29,512,705.35	57,787,396.96	2,941,353	19.65
1943-1944	18,244,893.29	3,472,661.54	3,472,661.54		26,576,112.32	51,766,328.69	3,070,950	16.86
1944-1945	18,385,649.60	3,573,217.28	3,573,217.28		27,121,312.03	52,653,396.19	3,133,934	16.80
1945-1946	22,838,371.43	4,475,540.24	4,475,540.24		33,884,682.78	65,674,134.69	3,316,574	19.80
1946-1947	29,112,494.22	5,959,285.11	5,959,285.11		43,461,339.29	84,492,403.73	3,898,308	21.67
1947-1948	41,088,602.94	3,196,700.83	3,196,700.83	$9,638,701.65	63,770,528.96	120,891,235.21	4,288,247	28.19
1948-1949	44,368,243.75			17,115,228.27	109,378,591.35	170,862,063.37	4,478,196	38.15
1949-1950	46,496,495.83			18,169,099.95	108,009,125.97	172,674,721.75	4,945,093	34.92
1950-1951	49,611,551.55			19,329,746.64	115,839,648.11	184,780,946.30	5,470,915	33.78
1951-1952	53,514,378.28			20,777,496.69	120,575,876.27	194,867,751.24	5,604,258	34.77
1952-1953	57,608,794.12			22,410,608.76	134,697,494.68	214,716,897.56	5,973,444	35.95
1953-1954	68,256,981.61			23,454,814.65	234,301,244.18	326,013,040.44	6,266,610	52.02
Totals	$781,832,191.31	$58,176,443.78	$52,104,572.91	$130,895,696.61	$1,499,246,264.70	$2,522,255,169.31		

Gasoline tax apportionments:

October 1, 1923, to July 28, 1927—2 cents tax: 1 cent to counties, 1 cent to Division of Highways.

July 29, 1927, to June 30, 1933—3 cents tax: 1 cent to counties, 2 cents to Division of Highways.

July 1, 1933, to June 30, 1935—3 cents tax: 1 cent to counties, 1¾ cents to Division of Highways, ¼ cent to cities for state highways.

July 1, 1935, to June 30, 1947—3 cents tax: 1 cent to counties, 1½ cents to Division of Highways, ¼ cent to cities for state highways, and ¼ cent to cities for streets of major importance.

July 1, 1947, to June 30, 1953—4½ cents tax: 1⅜ cents to counties, 2½ cents to Division of Highways, ⅝ cent to cities for city streets.

July 1, 1953, to date—6 cents tax: 1⅜ cents to counties, 4 cents to Division of Highways, ⅝ cent to cities for city streets.

All amounts due to cities are deposited in the State Highway Fund for allocation to cities by the Division of Highways. Apportionments to counties are made directly to the counties by the State Controller.

Use fuel tax apportionments:

July 1, 1937, to June 30, 1947—3 cents tax to Division of Highways.

July 1, 1947, to June 30, 1953—4½ cents tax to Division of Highways.

July 1, 1953, to date—7 cents tax to Division of Highways.

Motor vehicle registration and weight fees apportionments:

From 1913 to June 30, 1945, the net revenue from motor vehicle registration and weight fees, after deductions for support of the Department of Motor Vehicles, was divided equally between the Division of Highways and the counties; except for the sum of $541,831 of the State's share which was apportioned to the State Engineer for road purposes during 1914 to 1918. From July 1, 1945, to December 31, 1947, the counties were paid 31¾ percent of the net collections, with the remainder guaranteed to be at least the same amount as received by the counties—being paid to the Division of Highways. Since January 1, 1948, the net collections are placed in the Highway Users Tax Fund and apportioned therefrom to the Division of Highways. However, in lieu of the former apportionment, the counties receive a base amount of $5,400,000 from the Highway Users Tax Fund; the amount being subject to increase or decrease in the ratio that the total number of vehicles in the preceding calendar year varies from the registration for the 1946 calendar year.

COUNTY APPORTIONMENTS OF FUNDS DERIVED FROM MOTOR VEHICLE FEES AND FUEL TAXES TO JUNE 30, 1954

County	County apportionment of motor vehicle fees Jan. 1, 1914, to Dec. 31, 1947	County apportionment of motor vehicle fuel tax Oct. 1, 1923, to Dec. 31, 1947	Subtotal of apportionments prior to operation of the Collier-Burns Act	County apportionment of funds pursuant to Collier-Burns Highway Act of 1947					Total apportionment
				Jan. 1, 1948, to June 30, 1950	July 1, 1950, to June 30, 1951	July 1, 1951, to June 30, 1952	July 1, 1952, to June 30, 1953	July 1, 1953, to June 30, 1954	Jan. 1, 1914, to June 30, 1954
Alameda	$7,889,019.48	$21,423,215.57	$29,312,235.05	$5,363,912.93	$2,400,946.97	$2,591,433.02	$2,779,158.41	$3,215,225.16	$45,662,911.54
Alpine	4,813.47	503,913.55	508,727.02	149,125.77	60,898.54	65,412.66	67,375.32	76,121.40	927,660.71
Amador	141,383.11	799,994.73	941,377.84	371,296.70	152,398.34	159,875.16	166,801.33	191,487.14	1,983,236.51
Butte	855,623.82	2,553,902.05	3,409,525.87	1,307,515.69	549,656.06	569,904.76	600,650.10	727,841.13	7,165,093.61
Calaveras	137,787.20	798,493.98	936,281.18	582,184.30	237,457.46	251,082.96	261,337.98	302,933.81	2,571,277.69
Colusa	268,037.71	1,016,707.26	1,284,744.97	669,673.95	278,238.16	285,894.20	298,622.63	353,157.35	3,170,331.26
Contra Costa	1,682,284.96	5,179,453.33	6,861,738.29	1,985,540.65	938,492.56	1,052,263.20	1,169,770.22	1,416,456.54	13,424,261.46
Del Norte	84,990.28	681,764.84	766,755.12	211,974.96	93,498.77	103,217.27	114,498.82	143,061.97	1,433,006.91
El Dorado	191,583.41	944,299.49	1,135,882.90	710,035.29	295,726.44	311,195.38	325,822.10	386,696.29	3,165,358.40
Fresno	3,702,179.76	9,150,327.28	12,852,507.04	3,705,314.38	1,599,400.27	1,675,913.31	1,785,399.63	2,068,942.75	23,687,477.38
Glenn	307,550.17	1,127,343.09	1,434,893.26	793,952.92	329,454.81	339,813.19	361,142.02	418,648.81	3,677,905.01
Humboldt	819,005.20	2,481,107.13	3,300,112.33	1,071,567.96	455,842.75	480,825.36	514,277.19	625,517.39	6,448,142.98
Imperial	1,126,820.51	3,190,912.20	4,317,732.71	1,819,428.10	813,948.94	858,606.44	907,731.75	1,065,569.68	9,783,017.62
Inyo	165,264.51	824,451.03	989,715.54	890,440.15	369,776.66	387,472.25	408,101.65	490,850.41	3,536,356.66
Kern	2,339,878.22	6,410,693.45	8,750,571.67	2,882,654.09	1,221,425.97	1,333,430.86	1,413,532.51	1,640,391.22	17,242,006.32
Kings	662,120.57	2,042,014.03	2,704,134.60	1,056,847.93	438,722.50	457,528.05	483,261.43	563,913.57	5,704,408.08
Lake	175,418.34	887,950.15	1,063,368.49	509,583.97	213,881.65	220,063.71	230,630.80	272,988.08	2,510,516.70
Lassen	229,743.89	1,017,869.23	1,247,613.12	1,017,813.83	422,797.30	459,370.40	479,579.50	561,641.39	4,188,815.54
Los Angeles	44,785,740.06	123,209,117.34	167,994,857.40	33,667,380.93	15,132,259.75	16,546,058.21	18,056,554.80	21,633,219.69	273,030,330.78
Madera	394,016.66	1,448,610.56	1,842,627.22	1,153,839.30	485,247.47	503,244.69	529,805.86	624,621.90	5,139,386.44
Marin	677,187.51	2,284,500.16	2,961,687.67	691,480.28	321,329.03	344,406.81	380,426.77	464,364.54	5,163,695.10
Mariposa	75,548.75	672,513.52	748,062.27	467,648.92	196,848.69	207,019.17	216,241.95	251,955.09	2,087,776.09
Mendocino	432,033.04	1,507,715.67	1,939,748.71	939,707.68	398,170.60	415,413.44	443,735.82	527,450.31	4,664,226.56
Merced	807,093.21	2,561,647.25	3,368,740.46	1,704,502.32	722,006.47	761,981.29	804,474.80	940,862.62	8,302,567.96
Modoc	138,563.51	782,316.62	920,880.13	661,309.58	292,815.31	326,153.45	342,865.28	396,058.25	2,940,082.00
Mono	25,915.20	555,622.16	581,537.36	515,093.96	227,909.83	244,404.30	255,812.93	306,782.20	2,131,540.58
Monterey	1,130,162.04	3,587,451.42	4,717,613.46	1,399,207.41	610,059.99	644,284.61	690,880.22	818,539.99	8,880,585.68
Napa	505,579.57	1,711,829.65	2,217,409.22	530,323.27	234,107.16	251,408.65	274,924.90	324,324.39	3,832,497.59
Nevada	228,412.79	1,057,595.53	1,286,008.32	464,745.02	200,034.08	226,223.90	237,759.13	268,100.05	2,682,870.50
Orange	2,734,226.35	7,402,144.60	10,136,370.95	2,027,007.34	916,332.52	1,004,460.19	1,104,902.83	1,360,151.81	16,549,225.64

Placer	510,353.73	1,736,028.63	2,246,382.36	764,546.86	322,619.69	358,675.57	375,946.36	430,198.07	4,498,368.91
Plumas	143,645.55	824,032.98	967,678.53	552,312.13	227,194.70	273,587.79	285,626.88	341,266.49	2,647,666.52
Riverside	1,788,157.86	5,199,683.80	6,987,841.66	2,665,073.83	1,096,531.03	1,164,188.47	1,236,857.51	1,459,803.30	14,610,295.80
Sacramento	2,798,154.25	8,081,690.61	10,879,844.86	2,404,959.71	1,076,626.13	1,195,023.19	1,337,824.32	1,584,617.50	18,478,895.71
San Benito	253,474.18	1,030,029.46	1,283,503.64	419,127.85	175,155.12	182,879.84	191,313.12	226,878.94	2,478,858.51
San Bernardino	2,680,208.84	7,607,796.71	10,288,005.55	3,614,245.33	1,564,659.71	1,631,220.22	1,616,337.65	1,962,560.71	20,677,029.17
San Diego	4,594,698.16	13,100,023.75	17,694,721.91	4,072,359.74	1,850,985.25	2,059,119.63	2,356,073.12	2,823,966.05	30,857,225.70
San Francisco	8,496,430.50	21,225,166.74	29,721,597.24	4,971,056.46	2,179,472.87	2,293,386.72	2,369,113.60	2,686,166.14	44,220,793.03
San Joaquin	2,396,974.84	6,442,617.09	8,839,591.93	1,916,665.65	868,346.88	941,812.95	1,056,054.54	1,190,366.46	14,812,838.41
San Luis Obispo	687,380.04	2,180,027.35	2,867,407.39	1,204,241.78	506,231.69	529,892.59	564,202.04	694,710.69	6,366,686.18
San Mateo	1,524,891.92	4,835,133.24	6,360,025.16	1,694,466.33	832,119.25	936,232.72	1,047,439.81	1,260,613.59	12,130,896.86
Santa Barbara	1,377,382.61	3,926,796.40	5,304,179.01	1,030,465.43	449,865.39	489,287.03	506,447.43	605,800.37	8,386,044.66
Santa Clara	3,220,645.21	8,753,044.60	11,973,689.81	2,457,623.16	1,133,442.86	1,258,064.20	1,392,120.17	1,656,964.02	19,871,904.22
Santa Cruz	848,701.56	2,652,657.22	3,501,358.78	780,361.14	351,340.18	356,738.69	382,661.03	470,436.11	5,842,895.93
Shasta	398,125.70	1,470,019.36	1,868,145.06	1,060,073.38	446,110.26	496,772.41	524,996.19	609,020.12	5,005,117.42
Sierra	44,164.23	590,933.46	635,097.69	267,699.93	109,668.94	131,590.06	136,646.61	148,192.07	1,428,895.30
Siskiyou	466,805.43	1,625,500.16	2,092,305.59	1,327,893.43	549,650.67	602,449.94	629,268.36	738,455.79	5,940,023.78
Solano	913,226.39	2,832,555.69	3,745,782.08	921,272.10	415,687.58	461,611.85	517,179.52	593,277.09	6,654,810.22
Sonoma	1,495,669.66	4,150,156.07	5,645,825.73	1,444,073.96	619,201.55	649,842.82	689,772.57	841,509.75	9,890,226.38
Stanislaus	1,574,418.86	4,333,272.28	5,907,691.14	1,887,512.41	801,534.15	836,766.48	885,274.09	1,024,077.10	11,342,855.37
Sutter	351,821.48	1,318,826.89	1,670,648.37	803,595.17	332,991.49	344,160.60	360,904.34	417,273.03	3,929,573.00
Tehama	313,208.39	1,182,680.76	1,495,889.15	880,189.32	362,921.76	376,346.34	395,098.65	464,911.73	3,975,356.95
Trinity	45,458.77	607,911.00	653,369.77	596,458.33	246,125.31	258,300.19	278,613.02	360,255.89	2,393,122.51
Tulare	1,936,965.44	5,216,635.12	7,153,600.56	2,939,491.86	1,242,989.40	1,289,681.22	1,363,448.24	1,597,660.06	15,586,871.34
Tuolumne	185,339.59	896,245.74	1,081,585.33	476,177.49	195,902.79	209,419.87	218,691.91	252,547.75	2,434,325.14
Ventura	1,135,886.23	3,446,125.14	4,582,011.37	1,024,481.30	456,730.13	487,201.09	529,774.15	630,037.25	7,710,235.29
Yolo	577,839.93	1,840,552.20	2,418,392.13	862,755.66	362,214.28	375,310.69	396,488.79	460,160.93	4,875,322.48
Yuba	323,925.88	1,225,784.23	1,549,710.11	530,854.35	225,547.44	246,454.22	258,541.42	287,379.68	3,098,487.22
Totals	$113,801,938.53	$326,147,403.55	$439,949,342.08	$112,891,143.67	$49,611,551.55	$53,514,378.28	$57,608,794.12	$68,256,981.61	$781,832,191.31

STATEMENT OF REGISTRATION OF MOTOR VEHICLES IN THE STATE OF CALIFORNIA FROM RECORDS OF THE DEPARTMENT OF MOTOR VEHICLES TO JUNE 30, 1954

	Fee paid registrations				Exempt registrations	Total registrations	Yearly increase	Percent increase over previous year
	Autos	Trucks	Trailers	Motorcycles				
3/22/05- 6/30/06	6,428					6,428		
7/ 1/06- 6/30/08	17,015					17,015	10,587	164.70
7/ 1/08- 6/30/10	36,146					36,146	19,131	112.44
7/ 1/10- 6/30/12	76,669					76,669	40,523	112.11
7/ 1/12-12/31/13	122,444					122,444	45,775	59.70
1914	123,516			24,709		148,225	25,781	21.06
1915	164,795			26,401		191,196	42,971	28.39
1916	232,440			30,994		263,434	72,238	37.78
1917	306,916			30,417		337,333	73,899	28.05
1918	364,800		674	25,973		391,447	54,114	16.04
1919	477,450		1,658	26,072		505,180	113,733	29.06
1920	532,934	41,689	2,644	20,564	9,000	604,187	99,007	19.60
1921	645,522	35,092	3,421	17,729	11,721	713,485	109,298	18.09
1922	822,394	39,413	4,861	16,301	14,163	897,132	183,647	25.74
1923	1,056,756	43,527	5,808	14,694	16,660	1,137,445	240,313	26.79
1924	1,125,201	193,871	19,033	12,324	17,776	1,368,205	230,760	20.29
1925	1,224,831	214,571	25,453	10,997	22,280	1,498,132	129,927	9.50
1926	1,383,097	216,149	30,759	10,289	24,027	1,664,321	166,180	11.09
1927	1,479,411	213,784	34,126	9,444	26,108	1,762,873	98,552	5.92
1928	1,582,477	217,413	37,073	9,449	30,520	1,876,932	114,059	6.47
1929	1,885,308	89,033	42,899	9,628	35,275	2,062,143	185,211	9.87
1930	1,941,969	99,387	48,532	9,405	37,337	2,136,630	74,487	3.61
1931	1,938,068	105,213	55,024	8,970	38,199	2,145,474	8,844	0.41
1932	1,865,333	106,283	61,870	8,338	38,433	2,080,257	—65,217	—3.04
1933	1,850,608	108,189	69,987	8,134	38,507	2,075,425	—4,832	—0.23

1934	1,876,192	116,924	79,474	8,294	39,569	2,120,453	45,028	2.17
1935	2,015,018	135,722	95,227	8,861	25,657	2,280,485	160,032	7.55
1936	2,178,038	148,991	112,080	9,816	28,638	2,477,563	197,078	8.64
1937	2,319,341	164,132	132,927	11,240	29,593	2,657,233	179,670	7.25
1938	2,339,208	170,483	142,257	11,785	30,732	2,694,465	157,366	5.92
1939	2,422,322	182,825	155,304	13,247	33,875	2,807,573	113,108	4.20
1940	2,573,264	198,895	167,917	15,876	34,310	2,990,262	182,689	6.51
1941	2,740,101	221,146	184,096	18,051	35,305	3,198,699	208,437	6.97
1942	2,617,853	216,955	187,431	19,913	38,292	3,080,444	—118,255	—3.70
1943	2,533,436	215,465	176,257	19,414	41,224	2,985,796	—94,648	—3.07
1944	2,553,362	225,881	191,672	22,309	43,406	3,036,630	50,834	1.70
1945	2,604,789	248,388	238,490	27,173	44,536	3,163,376	126,746	4.17
1946	2,801,076	296,806	307,816	36,353	47,773	3,489,824	326,448	10.32
1947	3,113,329	363,225	349,743	53,234	54,564	3,934,095	444,271	12.73
1948	3,350,078	403,702	361,230	60,857	57,722	4,233,589	299,494	7.61
1949	3,671,466	429,725	355,575	57,475	65,254	4,579,495	345,906	8.17
1950	4,076,484	481,809	363,055	54,948	67,072	5,043,368	463,873	10.13
1951	4,320,124	541,394	389,633	52,373	63,990	5,367,514	324,146	6.43
1952	4,499,775	585,381	412,749	50,737	68,365	5,617,007	249,493	4.65
1953	4,790,541	643,060	438,399	50,726	70,530	5,993,256	376,249	6.70
1954 to June 30	4,660,476	622,204	390,978	42,683	71,313	5,787,654	----------	----------

NOTE: Prior to 1920 auto and truck registration was not segregated.
— Indicates decrease.

APPENDIX C

CONTRACT STATISTICS

(a) Completed Contracts_____July 1, 1946, to June 30, 1954

(b) Incomplete Contracts_____June 30, 1954

NOTE: For contracts completed prior to July 1, 1946, see Fifteenth Biennial Report.

NOTE: * opposite a contract indicates final cost figures not yet available.

COMPLETED CONTRACTS—June 30, 1954

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4T48	Alameda	5	A	Near Greenville	-----	11/21/46	Day Labor	Truck Scale	$12,000	----------	$12,000
54-4TC34	Alameda	5	B	Bet. Hopyard Rd. & 2.5 Mi. W. of Dublin (Pors.)	4.5	9/25/53	John A. Carstensen	Drainage Facilities	39,526	$4,000	43,526
4TC25	Alameda	5, 69	B, C, B	Bet. Dublin & Mission San Jose & Bet. Alvarado & San Leandro	7.6	6/ 8/46	A. S. Jones	Repair with C.R.B. & P.M.S.	161,255	16,747	178,002
4TC35	Alameda	5	B	Bet. San Miguel Ave. & Park Way	0.4	5/16/47	McGuire & Hester	Storm Drain	22,650	1,697	24,347
4WC29-P	Ala, C.C.	5, 107	B, A	Bet. Hayward & Dublin & Bet. Danville & 3.1 Mi. South	5.3	6/ 7/47	J. R. Armstrong	P.M.S.	151,774	14,611	166,385
4TC49	Alameda	5	B	At Redwood Rd.	0.3	4/22/48	J. R. Armstrong	Signals & Chnlz.	42,681	6,861	49,542
1-4TC105-F	Alameda	5	B	Bet. 1.5 Mi. W. of Livermore & Hopyard Rd.	5.9	5/31/50	Fredrickson & Watson Const. Co.	Grade, P.C.C. on C.T.S., 3 R.C. Brs. & Lights	717,278	78,936	796,214
51-4TC23	Alameda	5	B	At San Miguel Ave. in Castro Valley	0.2	12/ 5/50	Gallagher & Burk, Inc.	C.R.B., P.M.S. & Signals	26,087	3,532	29,619
52-4TC5-F	Alameda	5	B	Bet. Hopyard Rd. & 2.5 Mi. W. of Dublin	4.6	7/24/51	Fredrickson & Watson Const. Co.	Gr., P.C.C. on C.T.S., P.M.S., Lights & 2 R.C. Brs.	1,489,468	155,461	1,644,929
4WC22	Alameda	5, 69	C, A	Bet. Warm Springs & Mission San Jose & Bet. Warm Springs & Centerville	8.3	3/11/46	A. S. Jones	Widen Shldrs. & P.M.S.	40,118	8,925	49,043
54-4TC18	Alameda	5	C	Near Niles, Bet. 0.6 Mi. N. of S.P.R.R. & 0.2 Mi. S. of W.P.R.R. OH	1.7	7/31/53	Clements Constr. Co.	P.M.S. & Reconstruct Shldrs.	39,620	2,757	42,377
1-4TC77	Alameda	5	D, B	Bet. Castro Valley Jct. & San Leandro	3.3	4/ 1/49	Lee J. Immel	Resurf. with P.M.S.	247,295	18,820	266,115
1-4TTC10	Alameda	5	D	On Foothill Blvd. at 150th Ave.	-----	10/11/49	L. H. Leonardi Elc. Const. Co.	Signals & Lights	13,197	1,412	14,609
1-4TC86-F	Alameda	5	E, F, B	Bet. Greenville & 1.5 Mi. W. of Livermore	5.8	6/22/49	Harms Bros. and N. M. Ball & Sons	Gr., P.M.S. & Lights	935,566	98,882	1,034,448
53-4TC21	Alameda	5	E	Bet. 2.3 Mi. E. of Redmond OH. & Greenville	6.7	7/23/52	Lee J. Immel	P.M.S. on C.T.B.	264,751	23,491	288,242
53-10TC9	Ala, S.J.	5	E, A	Bet. 2 Mi. E. of Redmond OH. & Corral Hollow Rd.	7.5	9/25/52	McCammon-Wunderlich Co. & C. K. Moseman	Gr., Base, R.C. Br., & 2 R.C. UC's	1,545,746	125,000	1,670,746
0-4TC72	Alameda	5	F	Bet. 1.5 Mi. E. & 1.7 Mi. W. of Livermore	3.2	10/19/48	Dan Caputo & Ed Keeble	Gr. & Conc. UC. & Br.	496,807	47,627	544,434
53-4TC20	Alameda	5	F, B	Bet. Greenville & Hopyard Rd.	11.1	7/16/52	Watkin & Sibbald	Rdside. Development	20,350	3,167	23,517

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4T124	Alameda	5	Emv, Oak	At San Pablo Ave. Overpass	0.4	11/18/49	Day Labor	P.M.S. Blanket	$10,543		$10,543
4T114	Alameda	5	Hay	Bet. A St. & B St.		2/ 3/49	Day Labor	Gr. & P.M.S.	10,851	$1,502	12,353
4T123	Alameda	5	Hay	Bet. B St. & C St.		11/16/49	Day Labor	Improving Shldrs.	5,488	992	6,480
52-4TC33	Alameda	5	Hay	Bet. Castro St. & San Lorenzo Cr.	0.7	5/ 9/52	Chas. L. Harney, Inc.	Gr., P.M.S., Signals & Lights	291,308	36,212	327,520
4TC41	Alameda	5	Oak	Bet. Toll Plaza & Distr. Struct.	0.9	6/18/47	Chas. L. Harney, Inc.	Additional Traffic Lanes	144,856	11,609	156,465
4TC43-P	Alameda	5	Oak	At Bay Bridge Toll Plaza	0.6	9/ 8/47	San Francisco Br. Co.	Sand Fill	384,718	17,562	402,280
4TC44-P	Alameda	5	Oak	At Bay Bridge Toll Plaza	0.6	9/12/47	Piombo Const. Co.	Slope Protection	129,890	13,734	143,624
0-14TC52	Alameda	5	Oak	At Bay Bridge Toll Plaza		7/22/48	Stolte Inc. & Duncanson Harrelson Co.	Toll Facilities	496,207	10,811	507,018
52-15TC1	Alameda	5	Oak	Bet. Toll Plaza & E'ly terminus SF-OBB		6/25/52	Severin Elc. Co.	Replace Underground Elc. Cable	54,578	5,458	60,036
53-15T1	Ala, S.F.	5, 68	Oak-SF	See San Francisco County							
14TMC2	Alameda	5, 69	Oak	At Distribution Structure		8/11/48	Pacific Br. Painting Co.	Waterproof & Paint Br.	43,559		43,559
0-4TC67	Alameda	5	Oak	At Bay Bridge Toll Plaza	0.7	8/25/48	Lee J. Immel	Gr., P.M.S. & Lights	197,053	20,072	217,125
1-4TTC12	Alameda	5	Oak	MacArthur Blvd., at Foothill Blvd., & 73d Ave.		1/17/50	L. H. Leonardi Elc. Const. Co.	Signals & Lights	13,639	1,737	15,376
15T3	Ala, S.F.	5, 68	Oak-SF	See San Francisco County							
15T5	Ala, S.F.	5, 68	Oak-SF	See San Francisco County							
15T7	Ala, S.F.	5, 68	Oak-SF	See San Francisco County							
53-4TC15-F	Alameda	5	Oak	Bet. S.F.O.B.B. Toll Plaza & W. End of Distr. Struc.	0.3	7/ 7/52	Lee J. Immel	P.M.S.	27,655	2,124	29,779
52-4TC11-P	Alameda	5	SLn	At Intrs. of MacArthur Blvd. & Dutton Ave.		9/13/51	R. Flatland	Signals & Drainage Improvement	7,301	1,588	8,889
54-4TC40-P	Alameda	14	Alb	Inters. San Pablo Ave. with Washington Ave. (west)		10/28/53	Scott-Buttner Electric Co., Inc.	Signals	7,981	500	8,481
4T42	Alameda	14, 5	Emv	In Emeryville		9/20/46	Day Labor	Signals	14,706	591	15,297
52-14BBC1	Ala, S.F.	68	SF-OBB	See San Francisco County							
14DGT15	Ala, Men.	69, 70	A, A	See Mendocino County							
0-4TC68	Alameda	69	A, B, SLn	Bet. Centerville & San Leandro	6.7	8/ 3/48	Granite Const. Co.	P.M.S. on C.R.B.	181,339	22,304	203,643

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4W37	Alameda	69	B	In San Lorenzo Village	----	10/29/46	Day Labor	Signals	$5,974	$371	$6,345
1-4TC76	Alameda	69	B	Bet. Alvarado & San Leandro	5.4	4/ 1/49	Clements & Co.	Resurf. with P.M.S. & Shldrs.	158,839	12,524	171,363
53-14TC28	Alameda	69	B	Hesperian Blvd. at San Lorenzo Cr.	0.2	10/24/52	Fredrickson & Watson Const. Co. & M & K Corp.	Stl. Br. & Apps.	62,232	10,500	72,732
52-4TC29	Alameda	69, 228	B, A	At Intrs. Hesperian Blvd. with Lewelling Blvd.	----	3/ 3/52	Underground Elc. Const. Co.	Signals, Lights & Chnlz.	15,959	1,333	17,292
51-4TC17-F	Alameda	69	C, SLn, Oak	Bet. Lewelling Blvd. & 0.1 Mi. N. of S.C.L. of Oakland	4.2	10/26/50	Fredrickson & Watson Const. Co. & M & K Corp.	Gr., P.C.C. on C.T.S., P.M.S., 4 Stl. O.C. & 2 Stl. Sep. Str.	2,866,120	252,590	3,118,710
52-4T16	Alameda	69	C, SLn, Oak	Bet. Lewelling Blvd. & 0.1 Mi. N. of S.C.L. of Oakland	4.2	12/26/51	Day Labor	Signs & Stripes	15,294	33	15,327
53-4TC35	Alameda	69, 105	D, A	Inters. of Jackson St. with Harder Rd. & Eastshore Frwy. Ramps	----	2/ 6/53	Hall Sloat Elc. Co., Inc.	Signals & Lights	13,675	552	14,227
52-4TC19-F	Alameda	69	D, Hay, C	On Eastshore Frwy., Bet. Jackson St. & Lewelling Blvd.	3.9	10/25/51	Fredrickson & Watson Const. Co. & M & K Corp.	Gr., P.C.C. & P.M.S., & R.C. UC., 3 R.C. OC's, R.C. Ped. UC., Stl. Br. & Off-Ramp Br., & 2 Stl. UC's.	2,642,937	253,783	2,896,720
4TC23	Ala, C,C	69, 14	Alb, Rch, ECr, A, Pin, Her, B	Bet. El Cerrito Hill OH. in Albany & Carquinez Bridge	10.5	5/24/46	J. R. Armstrong Const. Co.	Repair with C.R.B., P.M.S. & Pen. Tr. & Construct Decelerating Lane	58,410	6,832	65,242
1-4TC90-P	Alameda	69	Alb	Across Cerrito Cr.	----	7/ 7/49	J. R. Armstrong	R. C. Culv. & Detours	41,535	6,924	48,459
54-4TC24	Ala, C.C	69	Alb, Rch	At Cerrito Cr.	0.3	9/10/53	Morrison Construction Co. & Ted Schwartz	2 R.C. Culvs.	63,113	8,000	71,113
54-4TC7	Ala, C.C	69	Alb, Rch	At Albany Drain & across Stege Drain on Hoffman Blvd.	----	5/21/53	J. R. Armstrong	R.C. Pipe Culv. & R.C. Br.	51,587	6,500	58,087

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-4TC27-P	Ala, C.C.	69	Ber, Rch	At University Ave., Central Ave. & Carlson Blvd.		1/10/51	Lee J. Immel	Signals & Chnlz.	$32,786	$4,796	$37,582
52-4TC2	Alameda	69	Ber, Alb	Bet. Ashby Ave. & El Cerrito OH.	2.4	4/17/51	Lee J. Immel	Gr. & P.M.S.	111,668	1,695	113,363
4T141	Alameda	69	Emv, Ber	Bet. Powell St. & University Ave.		11/14/50	Day Labor	Widen (6 Turnouts)	9,000		9,000
4TMC3	Alameda	69	Oak	Cypress St., Bet. Distr. Struct. & 7th St.		3/11/46	Lee J. Immel	Widen with P.C.C. Resurf. with A.C.	150,410		150,410
14WC8	Alameda	69	Oak	At 5th Ave. Overhead		6/21/46	Duncanson-Harrelson Co. & Stolte, Inc.	Stl. & Conc. OC.	1,863,491	84,709	1,953,200
14WC9	Alameda	69	Oak	At Fruitvale Ave.		12/ 9/46	S. J. Ameroso Const. Co.	Substructure of Stl. & Conc. OC.	401,531	33,946	435,477
14WC10-F	Alameda	69	Oak	At 23d Ave.		6/16/47	A. Soda & Son	Stl. & Conc. OC.	468,475	30,173	498,648
4WC31-F	Alameda	69	Oak	Bet. 1 Mi. N. of S.C.L. of Oakland & 0.3 Mi. S. of High St.	2.3	6/25/47	Johnson-Western Co. & Amer. Pipe & Const. Co.	Gr.	991,444	60,100	1,051,544
14WC11-F	Alameda	69	Oak	At 29th Ave. in Oakland		6/27/47	Lew Jones Const. Co.	Stl. & Conc. OC.	155,881	13,230	169,111
14WC12-F	Alameda	69	Oak	At Fruitvale Ave.		8/13/47	J. H. Pomeroy & Co., Inc.	Superstructure for Stl. OC.	635,322	18,228	653,550
14TC31-F	Alameda	69	Oak	At 19th Ave.		10/22/47	Carl N. Swenson, Inc.	Stl. & Conc. OC. & Apps.	403,380	31,019	434,399
4T102	Alameda	69	Oak	At 14th & 23d Ave.		3/17/48	City of Oakland	Storm Drains	45,500		45,500
0-4TC48-F	Alameda	69	Oak	Bet. 38th Ave. & Oak St.	2.9	4/ 1/48	Fredrickson & Watson Const. Co.	Gr. & P.C.C. on C.R.B.	1,468,249	171,802	1,640,051
0-14TC37-F	Alameda	69	Oak	Across Elmhurst Cr., Damon Slough, & E. Cr. Slough		4/ 1/48	E. H. Peterson & Son	3 R.C. Brs.	240,545	16,251	256,796
0-14TC53-F	Alameda	69	Oak	Eastshore Frwy, Bet. 50th Ave. & 38th Ave.	0.7	8/ 3/48	Johnson, Drake, & Piper, Inc.	Gr., Pave & 4 Stl. & R.C. Br.	1,693,883	203,401	1,897,284
4T115	Alameda	69	Oak	Bet. Sta. 205+24 & Sta. 358+50		3/18/49	Day Labor	Signs	8,020	474	8,494
1-14TC61-F	Alameda	69	Oak	At High St.		4/ 1/49	A. Soda & Son	Stl. OH.	701,730	48,000	749,730
0-4TC83-F	Alameda	69	Oak	Bet. S.C.L. & High St.	3.3	5/20/49	Fredrickson & Watson Const. Co.	Gr., P.C.C. & Stl. Structures	1,373,361	122,172	1,495,533
4T116	Alameda	69, 105	Oak	At Inters. of 5th & Oak Sts., 6th & Oak Sts., and 7th & Madison Sts.		6/24/49	City of Oakland	Signals & Lights	13,680		13,680
4T126	Alameda	69	Oak	Bet. S.C.L. & High St.	3.3	1/12/50	Day Labor	Signs, Stripes & Markings	5,858		5,858
4T127	Alameda	69	Oak	At 42d Ave. Interchange & High St. OH.		3/ 2/50	Day Labor	Signs, Stripes & Markings	13,095	569	13,664
51-4TC21	Alameda	69	Oak	Bet. 38th Ave. & Fallon St.	2.8	11/ 8/50	Justice-Dunn Co.	Roadside Development	99,036	9,683	108,719
53-4TC28	Alameda	69	Oak	Eastshore Frwy. at Hegenberger Rd.	0.5	10/10/52	Gallagher & Burk, Inc.	Gr., P.M.S. on C.R.B.	57,859	5,595	63,454
53-4TC34	Alameda	69	Oak	Eastshore Frwy. at 42d. Ave. Off-Ramp	0.2	2/ 4/53	Gallagher & Burk, Inc.	Chnlz.	6,474	1,811	8,285
54-4TC46	Alameda	69	Oak	On Seventh St. Bet. Broadway & Cypress St.	1.1	1/15/54	Independent Construction Co.	Plane & Resurf. with P.M.S.	44,414	4,442	48,856

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-4TC29	Alameda	69	Oak	Eastshore Frwy. Bet High St. & 38th Ave.	0.3	10/15/52	Stephen L. Vistica	Roadside Development	$44,864	$6,593	$51,457
53-14TC27	Alameda	69	Oak	Bet. Fallon St. & Market St.	1.0	10/ 2/52	Ball & Simpson & Erickson, Phillips & Weisburg	Gr., P.M.S. on C.T.B. & C.R.B., Signals, Lights & 2 R.C. UC's.	1,224,883	140,000	1,364,883
1-14TC84-F	Alameda	69	SLn, Oak	Across San Leandro Cr. & S.P.R.R. Tracks at S.C.L. of Oakland	-----	1/10/50	C. B. Tuttle Co.	Stl. Br. and OH.	731,148	44,788	775,936
4T142	Alameda	69	SLn	Bet. Washington Ave. & Clarke St.	-----	11/22/50	Day Labor	Storm Drain	16,999	1,006	18,005
4T147	Alameda	75	Oak	Bet. MacArthur Blvd. & Broadway Terrace	-----	6/15/51	City of Oakland	Widen, Gr. & Pave	260,000	----------	260,000
53-4TC44	Ala, C.C.	75	Oak, A	In Broadway Low Level Tunnel	-----	6/26/53	Associated Engineers, Inc.	Fire Protection Facilities	33,094	3,500	36,594
54-4TC12	Alameda	105	A	Bet. 0.4 Mi. W'ly of Hesperian Blvd. & 0.3 Mi. N'ly of Harder Rd.	1.4	6/ 8/53	Fredrickson & Watson Const. Co. & M & K Corp.	Gr., P.M.S. on C.T.B. & C.R.B., Signals & Lights	235,078	25,000	260,078
4WC27	Alameda	105	B	On E. 14th St. Bet. Plaza Dr. & 158th Ave.	-----	12/11/46	Wheeler Const Co.	R.C. Culv.	11,716	2,826	14,542
0-4TTC4	Alameda	105	B	At E. 14th St.	-----	11/19/48	L. H. Leonardi Elc. Const. Co.	Signals & Lights	42,612	2,878	45,490
54-4TC22	Alameda	105	B	On E. 14th St. Bet. 173d Ave. & Medford Ave.	-----	9/ 2/53	Clements Constr. Co.	Signals & Chnlz.	32,166	3,217	35,383
1-4TC78	Alameda	105, 5	Hay	Through Hayward	1.8	4/ 1/49	Lee J. Immel	C.T.B. & P.M.S.	83,968	7,540	91,508
4T146	Alameda	105	Oak	On 7th St. at Webster St. & Grove St. & E. 14th St. at 85th Ave.	-----	5/21/51	Day Labor	Signals	799	----------	799
52-4T19	Alameda	105	Oak	At Inters. of E. 14th St. with 90th Ave., 66th Ave. & with Havenscourt Blvd.	-----	3/ 3/52	Day Labor	Signals	3,825	----------	*3,825
53-4TC33	Alameda	105	Oak	On Fallon St. Bet. 7th & 8th Sts.	0.1	1/15/53	Ball & Simpson	Gr., & P.C.C. on C.T.S.	17,389	2,653	20,042
53-4TC22	Alameda	105	SLn	Bet. N.C.L. & San Leandro Cr.	0.7	7/30/52	Independent Const. Co.	C.T.B. & P.M.S.	73,693	6,160	79,853
14WLC33	Alameda	107	A	Across Alameda Cr.	-----	6/22/46	R. G. Clifford & Louis Biasotti & Son	Stl. Br. & OC.	416,828	40,929	457,757
1-4TC95	Alameda	107	A	At Rosewarns UC., 1.5 Mi. E. of Niles	-----	10/25/49	Elmer J. Warner	Gr. & P.M.S. on C.R.B.	63,769	8,040	71,809
53-4T25	Alameda	107	A	Bet. Mi. 3.55 & Mi. 4.18 at 3 locations in Niles Canyon	-----	1/13/53	Day Labor	Culvs.	5,899	----------	5,899

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
55-4TC4	Alameda	107	B	Bet. Hacienda Rd. & Dublin	4.9	4/ 1/54	Clements Constr. Co.	U.R.B., P.M.S. & Drainage	$96,228	$4,000	$99,228
54-4TC51	Ala, C.C, Son.	107 75, 1	Var	See Sonoma County							
1-14TTC3	Alameda	108	A	Across Vallecitos Cr., 9 Mi. SW. of Livermore		3/28/50	Lew Jones Const. Co.	Repair R.C. Br.	4,002	406	4,408
51-4TC33	Alameda	108	Lvmr	At L St.		4/20/51	Howard Elc. Co.	Signals	3,192	641	3,833
4TMC9	Alameda	206	Ber	Folger Ave.		10/ 8/47	Archer Equipment Co.	Drainage Pump	1,686	250	1,936
52-4TC21	Alameda	206	Ber	At Folger Ave. UP.		10/30/51	C. Norman Peterson	Revise Pumping System	8,938	1,251	10,189
53-4TMC-25	Alameda	206	Ber	Tunnel Rd. Bet. Alvarado Rd. & E.C.L.	0.4	10/17/52	J. Henry Harris	P.M.S.	12,831		12,831
52-4TC18	Alameda	226	A, SLn	Bet. S.C.L. of Oakland & Alvarado St. (Por.)	1.9	10/18/51	Lee J. Immel	Gr. & P.M.S. on C.R.B.	186,982	18,117	205,099
51-14TC28-F	Alameda	226	Ala	Across San Leandro Bay (Bay Farm Island Br.)		4/25/51	The Duncanson-Harrelson Co. & Stolte Inc.	Stl. Br.	1,745,346	125,000	1,870,346
53-4T28	Alameda	226	Ala	At the Alameda entrance to the Posey Tube		1/13/53	Day Labor	Raise Gr.	11,225	650	11,875
53-14TC37	Alameda	226	Ala	Across San Leandro Bay Bet. Bay Farm Island & Alameda		5/22/53	Le Beouf-Dougherty Contracting Co. & Erickson & Pierson	Remove Timber & Stl. Br.	9,707	971	10,678
53-4TC27	Alameda	226	Ala, Oak	Apps. to Bay Farm Island Br.	0.9	9/10/52	Fredrickson & Watson Const. Co. & M & K Corp.	Gr., I.S.M., U.R.B., P.M.S. & Lights	306,360	32,500	338,860
54-4TC15	Alameda	226	SLn	At the intersections of Davis St. with Douglas Dr.-Pierce Ave.		7/ 8/53	Scott-Buttner Elect. Co. Inc.	Signals	11,178	1,472	12,650
13T1	Alameda	227	Oak	Bet. Rte. 75 & Park Blvd.	2.3	8/26/48	Jt. Hwy. Dist. No. 26	Gr., Pave & Strucs.	375,000		375,000
13T2	Alameda	227	Oak	Bet. Rte. 75 & Park Blvd.	2.3	8/ 9/49	Jt. Hwy. Dist. No. 26	Gr., Pave & Structs.	300,000		300,000
13T3	Alameda	227	Oak	Bet. Rte. 75 near Lake Temescal & Rte. 5		7/24/50	Jt. Hwy. Dist. No. 26	Gr., Pave & Structs.	300,000	6,497	306,497
52-13T1	Alameda	227	Oak	Bet. Rte. 75 & Rte. 5 (Pors.)		2/20/52	Jt. Hwy. Dist. No. 26	Gr., Pave & Structs.	300,000		300,000
53-13T1	Alameda	227	Oak	Rte 75 near Lake Temescal to Rte. 5 (Pors.)		5/ 4/53	Jt. Hwy. Dist. No. 26	State Participation	300,000		300,000

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-4T11	Alameda	228	A	Bet. 4th St. & Hesperian Blvd.		7/25/52	Day Labor	Widen Intrs.	$13,815	$292	$14,107
54-4TC43	Alameda	228	A	On Mattox Rd. Bet. E. 14th St. & 300 Ft. E. of Oak St.	0.4	11/13/53	Lee J. Immel	Widen & P.M.S.	18,189	3,000	21,189
4ANC14	Alameda	Oak	Airport	Bet. Maitland Dr. & Earhart Rd. in Aux. Naval Air Sta.	0.2	7/11/46	Gallagher & Burk	Repair with P.M.S. & Const. Shldrs.	4,150	804	4,954
4DC10	Ala, C.C.	FAS 801		On Crow Canyon Rd.	1.8	7/ 8/48	Louis Biasotti & Son	Gr. & P.C.C. & P.M.S. on C.R.B.	218,599	26,317	244,916
53-4DC1	Alameda	FAS 801		Crow Canyon Rd. Bet. Rte. 5 in Castro Valley & Contra Costa Co. Line	6.7	7/ 9/52	Fredrickson & Watson Const. Co.	Gr. & P.M.S.	428,231	4,175	432,406
4DC11	Alameda	FAS 1023		On Jarvis Rd. Bet. Dumbarton Rd. & Rte. 69	3.4	7/29/48	Clements & Co.	Gr. & P.M.S. on C.R.B.	158,928	8,190	167,118
51-4DC1	Alameda	FAS 1025		Bet. Alvarado & 3 Mi. SE.	2.8	7/20/50	Clements & Co.	Gr., I.B. & P.M.S. on C.R.B.	155,305	10,970	166,275
4DC1	Alameda	FAS 1030		On A St. & Redwood Rd. Bet. San Lorenzo Cr. Br. & Proctor Rd.	2.7	7/26/46	Hayward Bldg. Matl. Co.	Gr. & P.M.S. on C.R.B.	144,486	1,534	146,020
0-4TTC5-P	Ala, S.M.	Var	Var	Various Locations		12/ 3/48	R. O. Ferguson Co.	Signals & Lights	32,678	2,901	35,579
	Alameda			Various Locations				Minor Contracts & D.L. Projects	90,535		90,535
54-10TC2-FP	Alp, Mno.	23	B, L	Bet. Rte. 24 abt. 4 Mi. SE. of Markleeville, & Jct. Rte. 95	17.6	5/27/53	Claude C. Wood Co. & Macal Improvement Co., Inc.	Gr., I.B.M., R.M.S.	610,788	61,000	671,788
52-10BC1-FP	Alpine	23, 24	C, C, D	Bet. Silver Mt. & 2.5 Mi. N. of Woodfords	1.1	8/14/51	Eaton & Smith	Gr., B.S.T. on I.B.M. & Slope Protection, & R.C. Br., & Repair R.C. Br.	289,541		289,541
52-10TC7	Alpine	23	E	Bet. 1.3 & 2.6 Mi. E. of Picketts	1.3	8/30/51	Harms Bros.	Gr., R.M.S. on I.B.M., & R.C. Br.	274,107	19,690	293,797
1-10TC58	Alpine	34	A, B	Bet. W'ly Boundary & Carson Pass	5.4	10/28/49	Johnston Rock Co.	Gr., B.S.T. on I.B.M. & Sl. Ct.	314,240	39,389	353,629

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10DC7	Alpine	FAS 959		Bet. 7 Mi. E. of Markleeville & Mono Co. Line	5.5	7/ 6/49	Arthur B. Siri, Inc.	Gr., I.B., & Drainage Facilities	$79,022	$6,777	$19,777
	Alpine			Various Locations				Minor Contracts & D.L. Projects	9,101		9,101
0-10TC40	Amador	34	F	Bet. Cooks Sta. & E. of Hams Sta.	3.6	11/17/48	Westbrook & Pope	Gr. & B.S.T.	162,472	10,348	172,820
51-10TC9	Amador	34	H	Bet. Silver Lake & Alpine Co. Line	3.6	8/17/50	Harms Bros.	Gr., I.B. & B.S.T.	263,210	32,745	295,955
10WC18P	Amador	34, 65	Jkn, C	Bet. N. of Jackson & E. of Jackson	2.3	6/ 9/47	Fredrickson Bros.	Gr., P.M.S. & 3 R.C. Brs.	545,152	57,955	603,107
52-14TC8-F	Ama, E.D	65	A, C	Across Cosumnes Riv., Abt. 5 Mi. N. of Plymouth	0.4	6/15/51	Thomas Const. Co.	R.C. Br. & Apps.	148,666	19,023	167,689
14WLC52	Ama, Cal	65	C, A	See Calaveras County							
10T65	Amador	65	C	Bet. 0.6 Mi. & 1.2 Mi. N. of Mokelumne Riv.	0.6	4/ 6/48	Day Labor	P.M.S.	19,940	1,292	21,232
52-14TC13	Ama, Cal	65	C, A	Across Mokelumne Riv. abt. 4 Mi. S. of Jackson		10/15/51	Tumblin Co.	R.C. Br.	134,159	20,625	154,784
52-10TC16-FP	Ama, Cal	55	C, A	Bet. 0.4 Mi. SE. of Jackson & 1.5 Mi. W. of Mokelumne Hill	4.5	6/12/52	Claude C. Wood Co.	Gr. & P.M.S.	388,529	37,560	426,089
51-10TC1	Amador	65	Ply	Bet. N.C.L. & S.C.L., Plymouth	0.9	4/ 1/50	P. J. Moore & Son	Gr. I.B., I.S.M., & R.M.S.	18,091	3,940	22,031
51-14TC27	Amador	97	B	Across Dry Cr.	0.5	4/18/51	Lefever & Bing	R.C. Br. & Apps.	72,046	9,333	81,379
10DC2	Amador	FAS 951		Bet. 3.7 Mi. E'ly, of Pine Grove & N. Fork Mokelumne Riv.	4.7	7/30/47	A. Teichert & Son, Inc.	Gr. & B.S.T.	196,725	26,305	223,030
54-10TC3	Ama, Cal, Mer, S.J	Var	Var	At 7 Locations	32.3	6/15/53	J. P. Breen Co.	Sl. Ct.	39,356	4,000	43,356
	Amador			Various Locations				Minor Contracts & D.L. Projects	20,119		20,119
0-3TC51-P	But, Sut	3	A, Grd, A, Lio	See Sutter County							
1-3TC69	But, Sut	3	A	See Sutter County							
3TC24	Butte	3	B, C, Chc	Bet. Oroville Wye & Nelson, Bet. Durham R.R. Xing & Chico, & Bet. Big Chico Cr. & Sixth St. in Chico	11.8	5/16/46	Lester L. Rice	P.M.S. on C.R.B. & Shldrs.	108,024	7,052	115,076
53-3TC17-F	Butte	3	B, C, Chc	Bet. 3.8 Mi. N. of Oroville Wye & 20th St. in Chico	14.9	5/12/52	Richter Bros.	Gr., P.M.S. & Lights	746,322	64,000	810,322

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-14TC82	Butte	3	B	Across Hamilton Slough & Biggs Extension Canal	-----	11/ 9/49	Huettig, Schromm, & Bennett	R.C. Br., Widen R.C. Br. & Apps.	$35,849	$9,067	$44,916
52-3TC5	Butte	3	B	Bet. Biggs Rd. & Oroville Wye	5.4	6/ 6/51	Rice Bros. Inc.	P.M.S. & U.R.B.	164,863	16,860	181,723
52-14TC14	Butte	3	B, C	At Various Locations Bet. Oroville Wye & 0.3 Mi. S. of Chico	0.9	10/30/51	H. W. Ruby	13 R.C. Brs., Gr. & Pen Tr. of Apps., & Detours	535,291	48,897	584,188
53-14TC31	Butte	3	B	Western Drainage Canal Abt. 13.3 Mi. S. of Chico	-----	12/10/52	Tricon Const. Co.	Repair R.C. Br.	6,232	1,561	7,793
0-3TC49-P	Butte	3, 47	C, Chc, D, Chc	Bet. Nelson & Butte Cr., Bet. 7th Ave. in Chico & Pine Cr. & Bet. Hazel St. & Main St.	15.6	4/ 1/48	McGillivray Const. Co.	Gr. & P.M.S.	171,218	7,741	178,959
53-3TC16	Butte	3	C	Bet. Jct. with Rte. 87 & Chico Ave.	9.0	5/13/53	Rice Bros., Inc.	P.M.S. on U.R.B.	380,769	38,100	418,869
51-3TC2	Butte	3	D	Bet. Chico & Tehama Co. Line	10.0	4/ 1/50	Minton & Kubon	Widen Rd. & Existing R.C. Structs.	26,532	7,780	34,312
51-14TC10	But, Teh	3	D, A	Bet. Chico & Los Molinos	-----	6/14/50	O'Connor Bros.	4 R.C. Brs. & Widen 2 R.C. Brs.	180,985	30,855	211,840
1-3TTC3-P	Butte	3, 47	Chc	In Chico	-----	11/10/49	Clinton Elc. Corp.	Signals & Lights	21,909	735	22,644
3T103	Butte	3, 47	Chc	At Intrs. on Main St. & Broadway	-----	4/25/51	City of Chico	Lights	8,322	----------	8,322
54-3TC1	Butte	21, 87	A, A	Jct. Rtes. 21 & 87 Abt. 0.5 Mi. S. of Oroville	0.4	4/ 1/53	Rice Bros., Inc.	Gr. & P.M.S. on U.R.B.	39,267	4,500	43,767
1-3TC57	Butte	21	B	Bet. Oroville & Feather Riv.	4.1	4/12/49	Rice Bros., Inc.	U.R.S. & Seal Coat	59,867	4,759	64,626
54-3TTC1	Butte	21	B	Abt. 20 Mi. N. of Oroville	0.2	12/10/53	Ted Schwartz	Drainage Facilities	2,829	283	3,112
2T42	Butte	21	C	Bet. Jarboe Pass & Plumas Co. Line	1.5	4/17/47	Day Labor	Resurface	6,477	71	6,548
51-14TC1	But, Gle	45	A, C	See Glenn County							
53-3T14	But, Gle	45	A, C	See Glenn County							
51-3TC10	Butte	45	A	Bet. Biggs Rd. & Rte. 3	2.0	8/ 9/50	Eugene G. Alves	Gr., Gravel & Seal	44,745	7,405	52,150
51-14TC20	Butte	45	A	Across Tule Canal & Biggs Extension Canal	-----	11/ 2/50	B. S. McElderry	Widen 2. Conc. Brs.	19,815	2,639	22,454
54-14TC14	But, Gle	47	A, A	Across Sacramento Riv. at Gianelli, Abt. 8.5 Mi. W. of Chico	-----	5/13/53	Barton Construction Co. & B & B Stl. Erectors	Redeck Br.	141,308	14,000	155,308

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-3TC3	Butte	87	A	Bet. 0.7 Mi. N. of Yuba Co. Line & Union School	8.2	5/17/50	M. J. Ruddy & Son	Gr., U.R.B. & P.M.S.	$121,316	$14,990	$136,306
51-14TC18	Butte	87	A	Across Oak Knob Draw, 6.7 Mi. S. of Oroville		10/26/50	C. C. Gildersleeve	Widen R.C. Br. & Apps.	7,383	1,448	8,831
0-14TC66	Butte	87	B	Across Butte Cr.		5/12/49	Lew Jones Const. Co.	Repair Stl. Br.	18,365	1,489	19,854
52-14TC1	Butte	87	B	Across Clear Cr., 9.8 Mi. NW. of Oroville		4/ 2/51	R. C. Downer	R.C. Br. & Apps.	45,909	5,980	51,889
53-14TC10	Butte	87	B	Across Dry Cr., Abt. 11.5 Mi. S. of Chico		6/11/52	Ted Schwartz	Repair Stl. Br.	12,543	718	13,261
3DC11	Butte	FAS 757		Bet. 2 Mi. E. of Chico & Paradise	9.2	11/19/48	Granite Constr. Co.	Gr., U.R.B. & R.C. Br.	387,889	32,810	420,699
3DC20	Butte	FAS 757		Bet. 2 Mi. E. of Chico & Paradise	9.2	5/ 9/50	A. G. Raisch Co.	P.M.S.	112,175	5,064	117,239
3DC14	Butte	FAS 758		Bet. Cherokee Canal & Pennington Rd.	3.7	6/ 7/49	W. H. O'Hair Co.	Gr., I.B.M., B.S.T. & Widen 2 R.C. Brs.	106,151	10,266	116,417
52-3DC13	Butte	FAS 758		Bet. Pennington Rd. & Wade Rd.	3.3	6/13/52	Clements & Co.	Gr., U.R.B. & B.S.T.	108,934	1,508	110,442
53-3DC3	Butte	FAS 758		Bet. Wade Rd. & Gridley	1.6	8/22/52	Clements & Co.	Gr., I.B.M., U.R.S., & B.S.T.	56,347	959	57,306
3DC16	Butte	FAS 759		Bet. Oroville-Wyandotte Rd. & Oroville-Quincy Hwy.	2.3	6/22/49	Richter Bros.	Gr. & Culvs.	48,812	3,834	52,646
51-3DC3-P	Butte	FAS 759		Bet. Oroville & Oroville-Quincy Hwy. at Ward Blvd.	3.3	8/18/50	Rice Bros., Inc.	Gr. & P.M.S. on C.R.B.	129,294	9,097	138,391
14DC3	Butte	FAS 1046		Across S. Fork of Feather Riv. at Bidwell's Bar		3/26/47	Dey Contracting Co.	R.C. Br.	106,035	13,472	119,507
51-14DC10-P	Butte	FAS 1169		Under Tracks of S.P.R.R. & W.P.R.R. & at High Sierra Pine Mills near City of Oroville		6/15/51	C. K. Moseman	2 Stl. UP. & 1 Stl. Br.	264,064	13,625	277,689
	Butte			Various Locations				Minor Contracts & D.L. Projects	13,307		13,307
53-10TC12	Calaveras	24	A	Bet. 3.3 Mi. E. of San Joaquin Co. Line & 1.5 Mi. W. of Valley Springs	5.0	11/10/52	M. J. Ruddy & Son	Widen, P.M.S. on U.R.B.	246,142	35,000	28,142
54-10TC5	Cal, S.J	24	A, B, A	See San Joaquin County							
0-10TC33	Calaveras	24	B	Bet. 2.6 Mi. E. of Valley Sprin gs & 4.9 Mi. E.	4.2	4/29/48	A. Teichert & Son, Inc.	Resurf. with P.M.S. on U.R.B.	104,733	6,817	111,550
51-10TC8	Calaveras	24	E	Bet. Murphys & Big Trees	5.6	6/10/50	M. J. Ruddy & Son	Gr. & P.M.S. on I.B.M.	347,095	49,870	396,965

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14WLC35	Calaveras	24	Ang	Across Angels Cr.		6/25/46	J. Henry Harris	Conc. Br. & Apps.	$39,007	$4,285	$43,292
14WLC52	Cal, Ama	65	A, C	Across Mokelumne Riv.		6/ 4/47	Charles Scott	Repair Br.	6,515	529	7,044
1-14TC75	Calaveras	65	A	Across Murray Cr.		8/10/49	S. C. Lefever & D. Gerald Bing	Stl. Br. & App.	51,775	5,407	57,182
10T76	Calaveras	65	A	At Murray Cr.		8/15/49	Day Labor	Detour, Signs & Stripe	5,728		5,728
52-14TC10	Calaveras	65	A	Across N. Fk. Calaveras Riv., Abt. 2.5 Mi. N. of San Andreas	0.1	7/24/51	Chas. S. Moore & Robt. R. Murdoch	R.C. Br. & P.M.S. on I.B.M. on Apps.	69,938	9,552	79,490
52-14TC13	Cal, Ama	65	A, C	See Amador County							
52-10TC16-F	Cal, Ama	65	A, C	See Amador County							
14WC7	Calaveras	65	B	Abt. 9 Mi. N. of Angels Camp		5/28/46	Bati Rocca	Cattlepass	4,787	1,548	6,335
53-14TC20-FP	Cal, Tuo	65	C, A	Bet. 2 Mi. NW. & 0.2 Mi S. of Calaveras-Tuolumne Co. Line	1.1	8/25/52	Granite Const. Co.	Gr., R.M.S. on U.R.B. on I.S.M., & R.C. Br.	271,696	34,000	305,696
10AN15	Calaveras	Access		Bet. Sandy Gulch Mill Pond & J. P. Lodge Rd.		5/22/45	Day Labor	Purchase Oil & Provide Engineering	5,450		5,450
10AN21	Calaveras	Access		Bet. Toyon & West Point	15.6	10/18/46	Day Labor	Repairs	26,107	828	26,935
10DC1	Calaveras	FAS 952		Bet. Rte. 65 & Mountain Ranch	8.9	7/11/47	Louis Biasotti & Son	Gr. & B.S.T.	171,770	24,372	196,142
52-10DC4	Calaveras	FAS 953		Bet. 5.3 & 9.7 Mi. N. of Mountain Ranch	4.4	9/ 7/51	Claude C. Wood Co.	Gr. & Pen. Tr. on I.S.M.	81,132	6,954	88,086
	Calaveras			Various Locations				Minor Contracts & D.L. Projects	15,438		15,438
54-10TC3	Cal, Ama, Mer, S. J.	Var	Var	See Amador County							
3TC22-F	Colusa	7	A, B	Bet. 3. Mi. N. of Arbuckle & 4 Mi. S. of Williams	3.3	2/ 6/46	Harms Bros.	Gr. & P.M.S.	220,143	34,347	254,490
3T66	Colusa	7	A	Bet. Arbuckle & 0.6 Mi. S. of Geneva	3.0	5/12/47	Day Labor	Improve Shldrs.	10,834	30	10,864
52-3TC10-F	Colusa	7	A	Bet. Arbuckle & 3 Mi. N.	3.0	7/13/51	Clements & Co.	Gr., P.M.S. on C.R.B. & 4 R.C. Brs.	380,530	44,450	424,980
1-3TC58	Col, Gle	7	B, Wms, C, A	Bet. S. of Williams & S. of Willows	26.3	4/19/49	Westbrook & Pope	B.S.T. to Shldrs.	32,998	4,594	37,592
3TC31	Colusa	7	Wms	Bet. 239 Ft. S. of F St. & D St.	0.3	8/19/46	Harms Bros.	Repair with P.M.S.	4,805	457	5,262

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-3TC4	Colusa	15	A, Clu	Bet. 0.2 Mi. E. of Colusa Basin Br. & Colusa	2.2	6/10/52	Claude C. Wood Co.	C.T.S. & Sl. Ct.	$35,703	$2,726	$38,429
52-3TC1	Colusa	15	B	Bet. Colusa & Meridian	6.9	4/ 2/51	Harms Bros.	Widen & P.M.S.	142,400	12,199	154,599
53-14TC4	Colusa	88	A	At High Ditch & Wilkins Slough, Abt. 18, & 21 Mi. S. of Colusa	0.3	4/14/52	Chas. S. Moore & Robt. R. Murdoch	Repair Timber Br. & Stl. & Conc. Br. Gr. & B.S.T. on Apps.	23,731	5,806	29,537
14DC10	Colusa	FAS 758		Across Sacramento Riv. at Colusa		4/21/47	Lord & Bishop	Repair Stl. Br.	133,585	6,878	140,463
52-3DC1	Colusa	FAS 761		Bet. 5.8 Mi. N. of Colusa & Glenn Co. Line	8.3	7/ 3/51	Harms Bros.	Gr. & P.M.S. on I.B.M.	153,187	10,477	163,664
53-3DC7	Colusa	FAS 1032		Bet. 4 Mi. E. of Arbuckle & State Rte. 88	6.1	6/12/53	Browne & Krull	Gr., I.B.M. & Sl. Ct.	99,090	5,475	104,565
3DC7	Colusa	FAS 1033, 1035, 1036		Bet. Williams & Stone Corral Cr.	8.6	9/23/47	Fredrickson & Kasler	Gr., I.B., & R.C. Br.	83,300	790	84,090
	Colusa			Various Locations				Minor Contracts & D.L. Projects	8,198		8,198
COF-8	C.C, Sol	7	A, F	On Carquinez Br.		3/25/47	Minton & Kubon	Railings	26,534		26,534
COFC-2	Contra Costa	7	A	At Carquinez Strait		1/ 4/49	Ben C. Gerwick, Inc.	Repair Fender	61,053		61,053
COFC-4	C.C, Sol	7	A, F	Across Carquinez Strait at Crockett		7/22/49	Crabbe Electric	Electrical Equip.	8,887		8,887
52-14TC23-P	Contra Costa	7	A	Across Carquinez Strait at Crockett		5/22/52	Bos Const. Co.	Repair Br. with R.C.	11,137	2,506	13,643
COFC-1	Contra Costa	11	A	Across San Joaquin Riv. at Antioch		6/ 8/48	H. F. Lauritzen	Repair Br.	4,456		4,456
COFC-3	C.C, Sac	11	A, C	Across San Joaquin Riv. at Antioch		7/22/49	Pacific Bridge Painting Co.	Clean & Paint Br. (Portions)	27,898		27,898
4TC23	C.C, Ala.	14, 69	A, Pin, Her, B ECr, Rch. Alb	See Alameda County							
4TC29	Contra Costa	14	A	San Pablo Bet. Wildcat Cr. & San Pablo Cr.	1.0	8/26/46	J. R. Armstrong	Widen, A.C. on C.R.B. & Signals	87,964	24,169	112,133
0-4TTC1-P	Contra Costa	14	A	San Pablo Ave. at 13th St.		8/ 5/48	H. C. Reid & Co.	Signals & Lights	10,456	317	10,773

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4TC31	Contra Costa	14	B	Bet. Fourth St. & First St. in Rodeo	0.3	10/14/46	Lee J. Immel	Widen & A.C.	$16,815	$2,566	$19,381
4T50	Contra Costa	14	B	At Second St. & Parker Ave.	-----	11/19/46	Day Labor	Signals	5,090	404	5,494
4TC38	Contra Costa	14	B	Bet. Sixth St. & Fourth St. In Rodeo	0.3	5/28/47	Morgan Const. Co.	Widen with A.C. & Const. Shldrs.	11,527	1,960	13,487
53-4TC1	Contra Costa	14	B	Bet. Willow Rd. & First St. in Rodeo	0.7	4/ 1/52	Lee J. Immel	Widen with P.M.S. on C.T.B.	62,982	4,407	67,389
52-4T20	Contra Costa	14	B	In Rodeo	-----	4/15/52	Day Labor	Drainage	8,197	----------	8,197
53-4T24	Contra Costa	14	B	In the vicinity of Sta. 435+00 Bet. Crockett & Eckley	-----	12/22/52	Day Labor	Retaining Wall	8,315	----------	8,315
54-4T1	Contra Costa	14	B	Bet. Sta. 304 & Sta. 309	-----	7/14/53	Day Labor	Drainage	6,994	449	7,443
53-4TC41-P	Contra Costa	14	ECr, B	Inters. San Pablo Ave. with Central Ave. in E. Cerrito, & Parker Ave. with Fourth St. in Rodeo	-----	6/ 1/53	Howard Electric Co.	Signals & Lights	9,517	2,330	11,847
4TC40-P	Contra Costa	14	ECr, Rch.	In El Cerrito & Richmond on San Pablo Ave. at 10 Inters. Bet. Stockton Ave. & McBryde	-----	6/24/47	Severin Electric Co.	Signals	63,098	2,824	65,922
1-4TMC18-P	Contra Costa	14	ECr	On San Pablo at Fairmont & Potrero	-----	5/ 9/50	L. H. Leonardi Elc. Const. Co.	Signals	8,795	1,270	10,065
52-4TC34-P	Contra Costa	14	ECr, Rch	Intrs. San Pablo Ave. with Manila Ave.-Bay Ave. in E. Cerrito	-----	4/24/52	R. Flatland	Signals	3,524	442	3,966
0-4TC61	Contra Costa	14	Her, B	Bet. Pinole Overhead & E. of Rodeo	1.5	6/30/48	J. Henry Harris	Gr., P.M.S. & Widen 2 Conc. Struct.	112,337	12,321	124,658
1-4TC107	Contra Costa	14	Her, B	Bet. Hercules & Oleum	1.6	6/28/50	J. R. Armstrong	P.M.S., Signals & Lights	163,062	20,790	183,852
0-4TTC7-P	Contra Costa	14	Pin	At San Pablo & Tennent Ave.	-----	6/ 9/49	L. H. Leonardi Elc. Const. Co.	Signals & Lights	9,707	955	10,662
53-4TC14-P	Contra Costa	14	SPb	Intrs. San Pablo Ave. with Broadway Ave.-Balboa	-----	6/13/52	R. Goold & Son	Signals, Lights & Chnlz.	12,824	1,971	14,795
4W39	Contra Costa	69	ECr	At Potrero Ave.	-----	11/ 1/46	Day Labor	Signals	5,143	579	5,722
0-4GC17-P	Contra Costa	69	Rch	Bet. 47th St. & Garrard Blvd.	-----	2/24/49	Tri-Cities Elcl. Serv. Inc.	Signals & Lights	56,524	----------	56,524
0-4TMC15	Contra Costa	69	Rch	Bet. Cutting Blvd. & 24th St.	1.0	3/ 1/49	Lee J. Immel	Resurface with P.M.S.	21,757	----------	21,757
51-4TC2	Contra Costa	69	Rch	Across Rust Drain	-----	4/ 1/50	Lee J. Immel	R.C. Culv.	32,634	2,930	35,564
4T137	Contra Costa	69	Rch	Bet. Contra Costa Co. Line & 25th St.	2.6	9/19/50	Day Labor	Remove Curbs & Reconstruct. Shldrs.	7,500	----------	8,500
51-4TC27-P	C.C, Ala.	69	Rch, Ber	See Alameda County							
52-4TC36	Contra Costa	69	Rch	On Standard Ave. Bet. Oil St. & Marine St.	0.6	5/29/52	Lee J. Immel	Gr. & P.M.S.	258,337	32,984	291,321
54-4TC7	C.C, Ala.	69	Rch, Alb	See Alameda County							
54-4TC17	Contra Costa	69	Rch	At the intersection of Standard Ave. with Castro St.	-----	7/31/53	J. R. Armstrong	R.C. Box Culv. and Intrs. Improvements	11,150	2,627	13,777

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-4TC24	C.C, Ala	69	Rch, Alb	See Alameda County							
4WC25	Contra Costa	75	A, B	Bet. Broadway Tunnel & 3.5 Mi. E. of Walnut Creek	5.3	6/26/46	N. M. Ball Sons	Repair with I.B. & P.M.S.	$25,177	$3,942	$29,119
4W31	Contra Costa	75	A	At Oakland St. & Moraga Rd.	-----	8/14/46	Day Labor	Signals	15,332	798	16,130
1-4TC84	Contra Costa	75	A, WIC	Bet. 3.5 Mi. E. of Broadway Tunnel & Rte. 107	5.6	5/ 9/49	J. R. Armstrong	Gr. & P.M.S.	312,489	38,618	351,107
4T133	Contra Costa	75	A	At Orinda Rd.	-----	6/ 8/50	Day Labor	Improve Intrs.	6,941	----------	6,941
53-4TC17	Contra Costa	75	A	On Tunnel Rd. & Upper Happy Valley Rd. & Acalanes Valley Rd.	-----	7/ 8/52	O. C. Jones & Sons	Chnlz & Lights	30,305	3,292	33,597
53-4TC44	C.C, Ala	75	A, Oak	See Alameda County							
54-4TC56	Contra Costa	75	A, WIC	Intrs. Monte Diablo Blvd. & Oakland Blvd.	0.2	3/30/54	John A. Carstensen	Storage Lane	8,186	1,000	9,186
4WC26-F	Contra Costa	75	B, C	Bet. Jct. Rte. 106 & 1 Mi. E. of Port Chicago Rd.	2.6	6/28/46	Harms Bros.	Gr., P.C.C. & A.C. on C.R.B. & P.M.S.	598,479	72,155	670,634
4T130	Contra Costa	75	B	Bet. Monument & Concord	2.1	3/10/50	Day Labor	Subseal	5,271	----------	5,271
51-4TC12	Contra Costa	75	B	Bet. Monument & Concord	2.1	8/21/50	J. R. Armstrong	Gr. & P.M.S. on I.B.M. & C.T.B.	98,568	18,155	116,723
53-4TC31	Contra Costa	75	B	At Pine Cr. Abt. 1.1 Mi. SW. of Concord	-----	10/28/52	Wheeler Const. Co.	R.C. Culv. & P.M.S. on C.R.B. on Apps.	17,207	3,878	21,085
54-4TC14	Contra Costa	75	B, H	Bet. 0.25 Mi. S. of Monument & Martinez (Portions)	5.3	7/ 1/53	Gallagher & Burk, Inc.	Widen R.C. Br. & Roadbed, C.T.B. & P.M.S.	282,867	28,287	311,154
4WC23	Contra Costa	75	C, D	Bet. Pittsburg & 4 Mi. E. of Brentwood	10.1	4/25/46	Lee J. Immel	Widen Shldrs. & Br. & P.M.S.	82,463	9,422	91,885
54-4TC37-P	Contra Costa	75	Cnd	Inters. Galindo St. with Salvio St. & with Willow Pass Rd. & Rte 75 with Grant St.	-----	12/ 9/53	Hall Sloat Electric Co., Inc.	Signals, Lights & Flashing Beacon	10,266	514	10,780
0-4TC59	Contra Costa	75	D	At Old Riv. Br.	0.2	6/18/48	J. R. Armstrong	P.M.S. on C.R.B.	77,361	9,864	87,225
1-4TC80	Contra Costa	75	D	Bet. SE. of Brentwood Jct. & Byron Rd.	1.4	4/ 1/49	C. M. Syar	P.M.S. on C.R.B.	54,293	5,878	60,171
4AWC2-P	Contra Costa	75, 106	E, Cnd, C	Bet. Concord Ave. & 0.4 Mi. W. of Ohmer Sta.	2.3	3/13/46	Guy F. Atkinson Co.	Gr. & P.C.C.	225,687	36,716	262,403
1-4TC101-F	Contra Costa	75	F, Pit	Bet. Port Chicago Rd. & Pittsburg	4.5	3/ 3/50	Parish Bros.	Gr., P.M.S. & 2 R.C. Brs.	817,869	137,692	955,561
53-4TC13	Contra Costa	75	H	Bet. 1.0 Mi. S. of Pacheco & Monument	1.5	6/12/52	J. R. Armstrong	P.M.S. on Shldrs.	67,488	5,264	72,752

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-4T27	C.C, Son, Nap	75,1,49	H, A, B	See Sonoma County							
52-4T11	Contra Costa	75	Pit	Bet. Railraod Ave. & Solari St.	0.2	9/18/51	Day Labor	Reconst. Base & Surf.	$16,218		$16,218
52-4TC27-F	Contra Costa	75	Pit, F, Ant	Bet. Railroad Ave. in Pittsburg & A St. in Antioch	5.0	1/29/52	Peter Kiewit Sons' Co.	Gr., P.C.C., P.M.S., 3 R.C. OC's., 2 R.C. UC's. & Stl. UP.	2,617,648	$425,000	3,042,646
4T144	C.C, Son	75, 1, 104	WIC, B, A, B, C	See Sonoma County							
0-4TTC2	Contra Costa	75, 106	WIC, C	Main St. at Mt. Diablo Blvd. & Ygnacio Ave. in Walnut Cr. & on Rte. 106 at Pacheco Rd.		8/16/48	Tri-Cities Elcl. Service	Signals & Lights	26,719	3,196	29,915
52-4T17	C.C, Nap	75, 107, 49	WIC, A, B	Main St. in Walnut Cr., Bet. Danville & S.P.RR. S. of Walnut Cr. & Bet. Union Sta. & Yountville		1/30/52	Day Labor	Subseal	22,005		22,005
54-4TC51	C.C, Ala, Son	75, 107, 1	Var	See Sonoma County							
0-4TC64	Contra Costa	106	A	Bet. Christie Underpass & Glen Frazer Sta.	1.7	6/29/48	Fredrickson & Watson Const. Co.	Gr. & P.M.S. on C.R.B.	368,953	37,749	406,702
51-4TC35	Contra Costa	106	A	Bet. Luzon UP. & Christie UP.	3.1	5/24/51	Lee J. Immel	Gr. & P.M.S.	129,582	13,993	143,575
52-4TC14	Contra Costa	106	A	At Franklin Cr., near Glen Frazer	0.3	9/ 4/51	Eugene G. Alves	Gr., P.M.S. on C.R.B. & I.S.M., & Sl. Cts.	33,837	6,421	40,258
54-4TC39	Contra Costa	106	A	Bet. 1.5 & 0.9 Mi. N. of Glen Frazer	0.6	10/28/53	O. C. Jones & Sons	Riprap, Conc. Embankment & Channel Protection	13,891	1,800	15,691
4W50	Contra Costa	106	C	Bet. Muir Sta. & Rte. 75	1.0	3/31/47	Day Labor	Resurfacing	18,353	529	18,882
1-4TC79	Contra Costa	106	C	Bet. Martinez Rd. & Willow Pass	3.6	4/ 1/49	Gallagher & Burk, Inc.	P.M.S. on C.R.B.	155,631	10,564	166,195
4T121	Contra Costa	106	C	Contra Costa Canal Crossing		10/18/49	U. S. Bureau of Reclamation	Canal Crossing	13,628		13,628
52-4T18	Contra Costa	106	C	Walnut Cr. Abt. 14.1 Mi. E. of Jct. with Rte. 14		2/ 8/52	Co. of Contra Costa	Improve Channel	18,136		18,136
54-4TC2	Contra Costa	106	C	Bet. Muir Sta. & Rte. 75	3.6	4/ 1/53	Gallagher & Burk, Inc.	C.T.B. & P.M.S.	211,977	19,902	231,879
52-14TC11	Contra Costa	106	Her	Across Refugio Cr. & Hercules Powder Co. Rds.		8/27/51	Bos Const. Co.	Repair Timber Br.	17,903	2,610	20,513

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4WC29-P	C.C, Ala	107, 5	A, B	See Alameda County							
0-4TC57	Contra Costa	107	A	Bet. Alameda Co. Line & 0.2 Mi. S. of San Ramon Cr.	4.2	5/25/48	Granite Const. Co.	Gr. & P.M.S.	$180,282	$16,155	$196,437
51-14TC24	Contra Costa	107	A, WLC	Across Walnut Cr. near S.C.L. of Walnut Creek		12/21/50	H. H. Anderson	Widen R.C. Br. & P.M.S. on I.B.M. on Apps.	38,860	4,132	42,992
52-4TC20	Contra Costa	107, 75	A, WIC, I	Bet. 3.5 Mi. S. of Danville & Concord (por.)	3.6	10/19/51	J. R. Armstrong	Gr., P.M.S. & Sl. Cts., & Widen R.C. Br.	339,049	39,431	378,480
52-4TC35	Contra Costa	107	A	At S.P.R.R. Crossing in Danville	0.2	5/15/52	J. R. Armstrong	Turnout Lanes, P.M.S.	10,961	2,281	13,242
54-4TTC1	Contra Costa	107	A	0.5 Mi. N'ly of San Ramon		11/30/53	Independent Constr. Co.	Widen & Extend C.M.P. Culv.	2,859	500	3,359
53-4TC36	Contra Costa	107, 75, 106	A, WIC, B, Cnd, C	Bet. Danville & Concord (por.) & at Avon Intrs.	3.0	3/18/53	Gallagher & Burk, Inc.	Gr. & P.M.S. on C.T.B.	295,736	43,686	339,422
51-4DC4	Contra Costa	FAS 609		Bet. 7.1 Mi. E. of Clayton & 12.4 Mi. W. of Byron	0.5	5/14/51	Louis Biassotti & Son	Gr. & P.M.S.	79,659	4,784	84,443
51-4DC2	Contra Costa	FAS 610		Bet. State Rte. 75 & 1.6 Mi. SE. of Byron	3.2	8/18/50	J. R. Armstrong	Widen with P.M.S.	90,839	3,250	94,089
53-4DC6	Contra Costa	FAS 610		On Byron Hwy. Bet. Alameda Co. Line & 1.6 Mi. SE. of Byron	3.6	12/ 5/52	Stephens Trucking Co.	Gr. & P.M.S. on C.R.B.	211,509	1,416	212,925
14DC9	Contra Costa	FAS 797		Across Pacheco Slough		4/14/47	Duncanson-Harrelson Co.	Stl Swing Br.	217,938	13,349	231,287
4DC10	Contra Costa	FAS 801		See Alameda County							
	Contra Costa			Various Locations				Minor Contracts & D.L. Projects	75,480		75,480
1TL7	Del Norte	1	A	Across Panther Cr., Br. No. 1-25		9/28/45	Day Labor	Repair Br.	6,212	111	6,323
1T44	Del Norte	1	A	Across High Prarie Cr.		9/10/47	Day Labor	Repair Br.	5,898	162	6,060
1T45	Del Norte	1	A	Across Hunter Cr.		11/17/47	Day Labor	Redeck Br.	6,479	184	6,663
1-1TC34	Del Norte	1	A, B	Bet Richardson Cr. & S. of Crescent City	6.3	4/ 1/49	Harms Bros. & C. M. Syar	P.M.S. & C.T.B.	259,578	22,078	281,656
1T74	Del Norte	1	A, B	Bet. Richardson Cr. & Klamath	6.3	12/ 1/49	Day Labor	Sl. Ct.	5,774		5,774
51-1TC4	Del Norte	1	A	Bet. Klamath Riv. Br. & Wilson Cr.	6.7	4/ 1/50	Harms Bros. & C. M. Syar	P.M.S. on I.B.M. & C.T.B., & Seal Coat	265,556	23,321	288,877
51-14TC12	Del Norte	1	A	Across Hunter Cr., 2.4 Mi. N. of Klamath		8/21/50	Harms Bros. & C.M. Syar	R.C. Br. & Apps.	86,533	7,372	93,905
1TC13	Del Norte	1	B	Bet. 6.3 Mi. & 2.6 Mi. S. of Crescent City	3.7	5/ 4/46	W. C. Railing	I.B.M. & Sl. Ct.	105,329	9,330	114,659

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-1BC2	Del Norte	1	C, D, E	Bet. 14.1 Mi. & 30.8 Mi. NE. of Crescent City (6 Locations)	1.4	6/27/52	John Burman & Sons	Widen, Gr. & R.M.S.	$260,502	$24,805	$285,307
54-1BC1-F	Del Norte	1	D	Bet. 22.0 & 23.6 Mi. NE. of Crescent City	0.3	7/29/53	Macco Corp. & Morrison-Knudsen Co., Inc.	Reconstruct Embankment	161,478	16,148	177,626
52-1BC1	Del Norte	1	E	Along Smith Riv. Bet. 27.1 Mi. & 30.8 Mi. NE. of Crescent City	0.4	8/16/51	C. W. Peterson	Repair Storm Damage	155,711	17,173	172,884
53-1TC4	Del Norte	1	E	Bet. Oregon Mt. & Oregon State Line	1.8	6/ 9/52	Mercer Fraser Co. & Mercer Fraser Gas Co., Inc.	P.M.S. & Widen R.C. Br.	141,807	13,937	155,740
0-1TC30	D.N., Hum	1	K, A	See Humboldt County							
1-1TC27	Del Norte	46	A	Across Turwar Cr., Abt. 3 Mi. E. of Klamath	0.7	5/ 5/48	Baldwin-Straub Corp. & Arthur B. Siri, Inc.	Stl. Br. & Apps.	200,611	21,257	221,768
54-1TC5-FP	Del Norte	46	A	Bet. 0.5 Mi. & 2.3 Mi. E. of Klamath	1.8	6/24/53	Humboldt Constructors, Inc.	Gr. & R.M.S. on I.B.M.	220,957	31,582	*252,539
51-1TC3-F	Del Norte	71	A, B	Bet. Smith Riv. Br. & 0.25 Mi. N. of Winton Corners	4.7	4/12/50	N. M. Ball Sons	Gr., I.B. & Stl Br.	411,989	50,545	462,534
52-1TC1-F	Del Norte	71	A, B	Bet. Smith Riv. Br. & N. of Winton Corners	4.7	4/ 2/51	Mercer, Fraser Co. Mercer, Fraser Gas Co., Inc.	Gr. & P.M.S.	212,554	24,494	237,048
53-1T20	Del Norte	71	B	At Gilbert Cr. 1.2 Mi. S. of the State Line		4/ 9/53	Day Labor	Detour	10,232		10,232
54-14BC1-F	Del Norte	71	B	Across Gilbert Cr. Abt. 1 Mi. S. of California-Oregon State Line		6/10/53	G.M. Carr. Co. & Batti Rocca	R.C. Br.	84,887	6,500	91,387
1-1TC35	Del Norte	81	A	At Bear Cr.	0.3	4/ 7/49	C. E. Johnson	Gr., I.B.M. & Sl. Ct.	33,850	7,073	40,923
14DC42	Del Nbrte	FAS 984		Across Hunter Cr.		8/13/48	Baldwin-Straub Corp. & Arthur B. Siri, Inc.	R.C. Br. & Apps.	62,880	6,114	68,994
14DC34	Del Norte	FAS 985		Across Smith Riv. Abt. 12 Mi. NE. of Crescent City		3/11/48	Underground Const. Co.	Stl. Br.	85,483	10,841	96,324
	Del Norte			Various Locations				Minor Contracts & D.L. Projects	18,560		18,560
3TC23-F	El Dorado	11	B	Bet. Shingle Springs & 1.25 Mi. W. of El Dorado	3.4	2/19/46	Utah Const. Co.	Gr. & P.M.S.	271,157	47,741	318,898

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-3TC12-F	El Dorado	11	D, E	Bet. R.R. Xing & Five Mi. Terrace	2.0	10/26/50	H. Earl Parker, Inc.	Gr. & P.M.S. on C.R.B.	$295,562	$43,041	$338,603
53-3T16	E.D, Pla	11, 37	D, D, E	Various Locations		12/11/52	Day Labor	Parking Areas	7,342		7,342
3T90	El Dorado	11	E, F, G, H, I	Bet. Placerville & Mays Jct. (Portions)		7/ 1/49	Day Labor	Parking Areas	5,840		5,840
3T102	El Dorado	11	E	Bet. Sta. 119 & Sta. 128		3/27/51	Day Labor	Horizontal Drains	5,873		5,873
3T84	El Dorado	11	F	At Pacific House Curve	0.1	4/15/48	Day Labor	Widen Curve	5,826		5,826
53-3T13	El Dorado	11	J	On Meyers Gr. Bet. Echo Summit Inn & Upper Truckee Riv.		9/25/52	Day Labor	Gr.	45,120		45,120
52-14TC4	El Dorado	11	K	Across Upper Truckee Riv. & Trout Cr.		6/ 2/51	H. W. Ruby	Repair 2 Timber Brs.	45,513	4,497	50,010
52-3TC11	El Dorado	11	Plcr, D	In Placerville Bet. R.R. Crossing near W.C.L. & E.C.L.	2.1	8/ 9/51	Rice Bros. Inc.	P.M.S. on U.R.B.	49,597	2,845	52,442
53-14TC32	El Dorado	11	Plcr	At Locust & Washington Sts.		2/24/53	Fredrickson & Watson Constr. Co.	Gr., U.R.B. & R.C. UC & OH	308,827	37,000	345,827
52-14TC5	El Dorado	23	A	Across Echo Cr.		6/ 6/51	H. W. Ruby	R.C. Br. & Apprs.	42,714	4,296	47,010
14WLC41	E.D, Pla	65	A, A	See Placer County							
52-3TC24	E.D, Pla	65	A, Aub, A,	See Placer County							
51-14TC5	El Dorado	65	B	Bet. 0.5 Mi. W. & 0.5 Mi. E. of S. Fk. American Riv. near Lotus	1.0	4/28/50	Thomas Const. Co.	Gr., B.S.T. on I.B.M. & Stl. & R.C. Br.	189,125	23,087	212,212
52-14TC8-F	E.D, Ama	65	C, A	See Amador County							
51-3TC17	El Dorado	65	Plcr	At Intrs. of Coloma, Spring, & Mill Sts.		6/12/51	Joe Chevreaux	Widen Intrs.	4,084	764	4,848
3W17	El Dorado	93	A	Bet. Rte 65 Near Placerville & Pino Grande Rd.	3.2	1/24/46	Day Labor	Widen, Improve Alignment & Pen. Tr.	29,913	2,393	32,306
3T86	El Dorado	93	A	Bet. Placerville & Georgetown (Portions)	3.2	6/14/48	Day Labor	Widen & Surface	44,983		44,983
53-14TC23	El Dorado	93	A	Across S. Fk. American Riv. Abt. 2.3 Mi. N. of Placerville		9/ 8/52	Lord & Bishop	Repair R.C. Br.	33,614	5,177	38,791
1-3TC70	El Dorado	93	B	Bet. 2.4 & 3.4 Mi. W. of Georgetown	1.0	12/ 2/49	T. M. Montgomery	Gr. & Sl. Ct.	42,240	13,596	55,836

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
3DC12	El Dorado	FAS 1095		Bet. Diamond Springs & Bell Ranch	4.7	1/19/49	M. W. Brown	Gr., Pen. Tr. & Sl. Ct.	$94,409	$11,722	$106,131
51-3DC2	El Dorado	FAS 1095		Bet. Bell Ranch & 1.5 Mi. SE'ly	1.5	8/10/50	John G. Mehren	Gr. & Pen. Tr.	50,981	10,090	61,071
3DC15	El Dorado	FAS 1097		Bet. Lotus-Rescue Rd. & Rte. 65	3.9	6/27/49	Tyson & Watters Co.	Gr., Pen. Tr. & Sl. Ct.	57,014	10,216	67,230
3DC2	El Dorado	FAS 1099		Bet. Georgetown & U. S. Ranger Station	3.6	6/26/47	Miles & Bailey	Gr., Pen. Tr. & Sl. Ct.	73,507	10,621	84,128
52-3DC10	El Dorado	FAS 1099		Bet. Chiquita & 2.1 Mi. SE'ly	2.1	4/29/52	C. W. Peterson	Gr. & B.S.T. on I.B.M.	101,908	11,112	113,020
54-3DC1	El Dorado	FAS 1187		Bet. Weber Cr. Br. & Shingle Springs	5.5	9/10/53	Huntington Bros.	Gr. & Drainage	100,636	5,131	105,767
	El Dorado			Various Locations				Minor Contracts & D.L. Projects	36,857		36,857
6TC4-F	Fresno	4	A, Fow, B	Bet. ¼ Mi. S. of Fowler & Calwa OH.	6.5	10/ 8/46	Gunner Corp. & J. E. Haddock, Ltd.	Gr. & P.M.S.	796,223	71,349	867,572
6T10	Fresno	4	A, Fow, B	Bet. ¼ Mi. S. of Fowler & Calwa OH.	6.5	6/17/47	Day Labor	Signs & Stripes	6,172		6,172
6TC7	Fresno	4	A, Fow, B	Bet. ¼ Mi. S. of Fowler & Calwa OH.	6.4	8/27/47	F. Gunner Gramatky	Barrier Curbs	16,509	1,400	17,909
6TC8-P	Fre, Tul	4	A, Kngb, D, E	Bet. 0.5 Mi. S. of Kingsburg & Selma	5.2	10/20/47	N. M. Ball & Sons	Gr. and P.C.C.	631,900	65,941	697,841
6TC11-P	Fre, Tul	4	A, Kngb, D, E	See Tulare County							
0-6TC15	Fresno	4	A	Bet. Selma & Fowler	3.4	7/29/48	Matthew & Jorgenson	Barrier Posts	9,869	1,458	11,327
52-6TC2	Fre, Mad	4	A, C, A, C	Bet. N. of Selma & Merced Co. Line	13.0	7/24/51	Huettig-Schromm & Bennett	Prepare & Plant Roadside Areas	18,768	4,204	22,972
52-6TC5	Fresno	4	A	Bet. Selma & Fowler	3.6	11/21/51	Baun Const. Co.	Gr. & P.M.S. on U.R.B.	105,306	12,652	117,958
53-6TC6	Fre, Mad	4	A, Fow, B; A, B	Bet. Kingsburg & 0.5 Mi. N. of Berenda		9/ 5/52	Calif. Wire Cloth Corp.	R/W Fence	47,147	7,589	54,736
54-6TC3	Fresno	4	A	Bet. 0.4 Mi. N. of City Limits of Kingsburg & S. City Limits of Selma	3.3	4/27/53	Rex B. Sawyer, Wm. F. & Bruce F. Rogers Co.	P.M.S.	68,337	9,134	77,471
55-6TC1	Fresno	4	A	Bet. 0.8 Mi. N. of Selma & Fowler	3.6	4/ 1/54	Stewart & Nuss, Inc.	Resurf. with P.M.S.	47,097	5,550	52,647
6TC3	Fresno	4	B, Fre	Bet. Calwa OH. & Fresno	2.1	1/17/46	Marshall S. Hanrahan	Grade & P.C.C.	374,675	43,700	418,375
6WC6-P	Fresno	4, 125	B, A	Bet. Fowler & Calwa OH., & Bet. 4.6 Mi. N. of Kings Co. Line & Mountain View Ave.	11.0	4/ 2/47	Gunner Corp.	Resurface with P.M.S.	110,364	9,000	119,364
6GTC1-FP	Fresno	4	B, Fre	Bet. S.C.L. & San Benito Ave.	1.2	6/30/47	Guy F. Atkinson Co.	Gr., P.C.C., P.M.S. & Stl. UP.	1,373,376	161,570	1,534,946
1-6TC18	Fresno	4	B, Fre	Bet. Church Ave. & Broadway	1.2	5/ 6/49	Jannoch Nurseries	Landscaping	20,881	4,054	24,935
51-6TC6-P	Fresno	4	B, Fre	At Church St.		1/23/51	Westates Elcl. Const. Co.	Signals	13,207	1,009	14,216
52-6TC3	Fresno	4	B	At Intrs. of U.S. 99 with Central Ave. & Chestnut Ave.		9/19/51	Dale Elc.	Lights	4,309	858	5,167

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-14TC44-P	Fre, Mad	4	C, A	Across San Joaquin Riv. N. of Herndon	1.0	6/10/48	Erickson, Phillips & Weisberg	Stl. Truss Br. & Apps.	$622,736	$46,386	$669,122
53-6TC7	Fresno	4	C	Bet. Clinton Ave. & Biola Jct.	2.6	9/12/52	Stewart & Nuss, Inc.	Resurf. with P.M.S.	35,102	3,763	38,865
6TMC1-P	Fresno	4	Fow	At Merced St. & Rte. 4	-----	12/31/47	Severin Elc. Co.	Signals & Lights	13,280	1,290	14,570
0-6TC12	Fresno	4	Fre, C	Bet. Belmont Circle & Clinton Ave.	1.8	4/15/48	Guy F. Atkinson Co.	Gr. and P.M.S. on C.T.B.	229,426	26,428	255,854
0-6TC13	Fresno	4	Fre, C	Bet. Belmont Circle & Clinton Ave.	-----	5/19/48	Tri-Cities Elcl. Service	Signals & Lights	19,956	1,310	21,266
53-14TC30	Fresno	4	Fre	At Weber Ave.	0.2	11/26/52	Thomas Const. Co.	Gr., P.M.S. on U.R.B., Signals & Lights & R.C. OC.	95,347	13,623	108,970
54-6TC4	Fresno	4	Fre	Bet. Cherry Ave. & Santa Clara St.	0.7	6/15/53	Thomas Construction Co.	Gr., P.C.C. on C.T.S.	172,453	30,169	202,622
54-6TC6	Fresno	4	Fre	Bet. Cherry Ave. and Santa Clara St.	-----	8/ 6/53	A-C Electric Co.	Hwy Lighting System	5,582	900	6,482
54-6TC12	Fresno	4	Fre	Intrs. U.S. 99 with Cherry Ave.	-----	1/22/54	Thomas Constr. Co.	Lights & Chnlz.	34,881	12,254	47,135
54-6T7-P	Fresno	4, 41, 125	Fre	In City of Fresno at various locations	-----	8/25/53	A. C. Electric Co.	Signals & Lights	20,301	1,691	22,992
51-6TC5	Fresno	10	A, B	Bet. 2 Mi. E. of Monterey Co. Line & 0.2 Mi. E. of Hot Springs Canyon Rd.	3.4	10/26/50	John F. Blakemore	Gr., B.S.T. & R.C. Br.	200,432	41,615	242,047
14WLC60	Fresno	41	M	Across Colony & Helm Canals	-----	9/ 5/47	E. G. Perham	2 R.C. Brs.	49,805	4,029	53,834
52-6TC4	Fresno	41	M, N	Bet. 5.8 Mi. S. of Merced Co. Line & 0.8 Mi. N. of Mendota	14.7	10/25/51	Thomas Const. Co.	Gr., P.M.S. on C.T.B. & Widen R.C. Br.	101,467	15,887	117,354
55-6TC2	Fresno	41	M, N, Fre	Various	2.6	5/14/54	Gene Richards, Inc.	P.M.S.	18,064	2,000	20,064
14WLC27	Fresno	41	P	Bet. 2 Mi. E. of Mendota & 2 Mi. W. of Tranquility Rd.	-----	12/21/45	Dan Caputo & Edward Keeble	12 R.C. Br. & R.C. Box Culv.	194,189	14,433	208,622
14WLC43	Fresno	41	P	Across Kings Slough	-----	1/ 8/47	Lord & Bishop	Reconstruct Timber Br.	21,573	1,098	22,671
14DGT11	Fresno	41	P	SP. Xing at Mendota & at Whites Br.	-----	1/ 6/49	Southern Pacific Co.	Flashing Lights	8,299	----------	8,299
53-14TC17	Fresno	41	P	Across Kings Slough Abt. 2.7 Mi. S. of Mendota (Whites Br.)	0.5	8/ 8/52	Baun Const. Co.	R.C. Br. & P.M.S. on Apps.	105,014	14,271	119,285
6T22	Fresno	41	S	Across Alta Main Canal	-----	11/12/48	Day Labor	Redeck Br.	6,994	----------	6,994
51-6TC2	Fresno	41	S	Across Kingsburg Canal near Centerville	0.5	6/22/50	Ted. F. Baun	R.C. Culv. & Apps.	42,397	7,036	49,433
54-14TC12	Fresno	41	S	Across Wahtoke Cr. Abt. 22 Mi. E. of Fresno	-----	4/28/53	Kaweah Const. Co.	Repair R.C. Br.	10,087	1,000	11,087
54-14TC31	Fresno	41	S	Across Kings Riv. Overflow Abt. 17 Mi. E. of Fresno	-----	11/16/53	Friant Constr. Co.	Redeck Timber Br. with Precast Conc. Deck Units & Widen Apps.	38,601	3,860	42,461
54-6TTC1	Fresno	41	S	Bet. 0.6 Mi. & 0.8 Mi. E. of Academy Ave.	0.2	2/ 3/54	Baun Constr. Co.	Regrade & B.S.T.	2,534	585	3,119

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-6TC19	Fresno	41	T	Bet. Orange Cove Rd. & White Deer Rd.	5.4	11/ 1/49	R. A. Heintz Const. Co.	Gr. & B.S.T.	$454,235	$64,669	$518,904
53-6T10	Fresno	41	T	Bet. Sta. 205+75 & Sta. 211+75	-----	11/14/52	Day Labor	Improve Drainage	6,892	----------	6,892
53-6TC4	Fresno	41	T	Portions Bet. 4 Mi. E. of Cove Rd. & White Deer Rd.	6.0	10/30/52	Eaton & Smith	Gr., P.M.S. on C.T.B. & R.C. Br.	716,708	99,854	816,562
53-6TC3-P	Fresno	41, 4, 125	Fre, R, Fre, Fre	Intrs. Ventura Ave. with Twelfth St.-Cedar Ave. & with Hazelwood Blvd.-Calisch St.; N. "H" St. with Roosevelt Ave., & Blackstone Ave. with McKenzie Ave.	-----	7/31/52	Dale Elc.	Signals & Lights	31,316	4,114	35,430
54-6TC13	Fresno	41	Fre	Lt. Turn Lanes On Ventura Ave. Bet. Hazelwood Blvd. & Orange Ave.	-----	2/23/54	Stewart & Nuss, Inc.	Gr. & P.M.S. on U.R.B.	5,519	2,000	7,519
54-6TC2	Fresno	41	Fre, R	Ventura Ave. Bet. Orange Ave. & Maple Ave.	1.0	4/17/53	Gene Richards, Inc.	P.M.S. & Drainage Sumps	30,205	5,300	35,505
53-14TC21	Fresno	76	A	At Enterprise Canal & at Dog Cr. Abt. 2 Mi. & 6.5 Mi. respectively NE. of Clovis	-----	8/27/52	Paul E. Woof	R.C. Br., R.C. Culv. & Apps.	37,818	9,225	47,043
6W8	Fresno	76	B	Across Big Dry Cr. Br. No. 42-91	-----	9/13/46	Day Labor	Widen Br. with R.C. Slab	7,303	25	7,328
52-14TC12	Fresno	76	B	Across Big Dry Cr., Abt. 12 Mi. E. of Academy	-----	8/31/51	Volpa Bros.	Widen Timber & R.C. Br.	12,791	3,019	15,810
53-14TC22	Fresno	76	B	Across Sales Cr. & Across Big Dry Cr.	0.4	8/27/52	Thomas Const. Co.	R. C. Culv., R.C. Br., & Apps.	68,798	6,104	74,902
6W12	Fresno	125	A	Bet. 4.6 Mi. N. of Kings Co. Line & Mt. View Ave.	6.5	3/25/47	Day Labor	Repair Pavement	9,681	127	9,808
6WC5-F	Fresno	125	C	Bet. Shields Ave. & Herndon Ave.	4.0	11/14/46	Basich Bros. Const. Co. & Basich Bros.	Gr. & A.C. on C.R.B.	306,267	32,151	338,418
6T23	Fresno	125	Fre	At McKinley, Clinton & Shield Aves.	-----	1/ 5/51	Day Labor	Signals	4,921	196	5,117
52-6TC6-P	Fresno	125	Fre, C	Bet. Olive Ave. & ¼ Mi. N. of Shields Ave in Fresno	1.8	12/ 5/51	Gene Richards	Gr., P.M.S. on U.R.B. & Pump System	414,985	65,827	480,812
52-6TC8	Fresno	125	Fre, C	On Blackston Ave., Bet. Olive Ave. & Shields Ave.	-----	4/14/52	Westates Elcl. Const. Co.	Signals & Lights	63,778	7,063	70,841
52-6T11	Fresno	125	Fre, C	Bet. Olive Ave. & Shields Ave.	-----	1/ 2/52	Day Labor	Signs, Stripes, Etc.	8,093	----------	8,093
1-14TC80	Fresno	138	A, Clng	Across Warthan Cr. in Coalinga	-----	9/ 8/49	Thomas Const. Co.	R.C. Br. & Apps.	41,081	6,779	47,860

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-6DC25-P	Fresno	FAS 559		On Madera Ave. Bet. Church & Adams	5.5	4/21/50	Gene Richards, Inc.	Gr. & P.M.S. on C.T.B.	$114,527	$14,712	$129,239
52-14DC10	Fre, Mad	FAS 560		Across San Joaquin Riv. at Friant		11/26/51	Thomas Const. Co.	R.C. Br.	73,673	6,744	80,417
51-6DC3-P	Fresno	FAS 561		On Shaw Ave. Bet. Rte. 4 & Fruit Ave.	3.3	11/18/50	Gene Richards	Gr., P.M.S. & Conc. Br.	117,732	11,714	129,446
6DC5	Fresno	FAS 568		On Highland Ave. Bet Kings Co. Line & Elkhorn Ave.	3.3	6/ 7/47	Valley Pav. & Constr. Co.	Gr. & P.M.S.	142,214	8,723	150,937
6DC17	Fresno	FAS 568		Bet. Elkhorn Ave. & Rte. 4	6.4	1/26/49	Phoenix Const. Co. & Oilfields Trucking Co.	Gr. & P.M.S. on U.R.B.	215,720	16,983	232,703
54-14DC1	Fresno	FAS 568		Across Cole Slough Abt. 9 Mi. S. of Selma		7/24/53	F. Fredenburg	R.C. Br.	25,706	2,570	28,276
14DC12	Fre, Kin	FAS 623		See Kings County							
51-6DC2	Fresno	FAS 808		Bet. Sacramento Ave. & Glenn Ave.	5.0	8/30/50	Volpa Bros.	Gr. & B.S.T.	99,590	19,621	119,211
6DC1	Fresno	FAS 809		On Fresno-Coalinga Rd. Bet. Mt. Whitney Ave. & State Hwy. Rte. 10	8.6	11/14/46	Louis Biasotti & Son	Gr. & B.S.T.	153,818	1,550	155,368
52-6DC5	Fresno	FAS 809		On Fresno-Coalinga Rd., Bet. Coalinga-Mendota Rd. & Ford Ave.	3.9	9/ 5/51	Louis Biasotti & Son	Gr. & B.S.T. on I.B.M.	142,144	18,065	160,209
53-6DC3	Fresno	FAS 809		Dickenson Ave. Bet. McMullin Gr. & Whitesbridge Rd.	5.1	11/ 6/52	Baun Const. Co.	Gr., P.M.S. on I.B.M.	168,353	6,785	175,138
54-14DC10	Fresno	FAS 809		Across Fresno Sl. Bypass, on McMullin Gr., Abt. 22 Mi. SW. of Fresno		11/17/53	Gene Richards, Inc.	2 R.C. Brs.	40,737	1,000	41,737
14DC16	Fre, Mad	FAS 811		Across San Joaquin Riv. & Overflow at Firebaugh		5/19/47	Charles MacClosky Co.	2 Stl. Brs.	251,944	13,320	265,264
6DC16	Fresno	FAS 814		On Clovis Ave. Bet. Ventura Ave. & Shaw Ave.	5.0	11/ 9/48	Ted F. Baun	Widen, C.R.B. & P.M.S.	144,069	12,053	156,123
54-6DC3	Fresno	FAS 814		On Clovis Ave. Bet. State Hwy. Rte. 4 & Columbia Ave. (south)	5.3	11/ 4/53	Rice Bros., Inc.	Gr. & P.M.S. on C.T.B.	207,442	4,500	211,942

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
6DC19	Fresno	FAS 817		On Manning Ave. Bet. U. S. 99 & Indianola	3.9	8/ 3/49	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Gr. & P.M.S. on U.R.B.	$141,000	$11,770	$152,770
51-14DC-P	Fresno	FAS 817		Across Kings Riv.		11/22/50	Thomas Const. Co.	Widen Conc. Br.	106,463	10,268	116,731
51-6DC7-P	Fresno	FAS 817		On Manning Ave. Bet. Zediker Ave. & Kings Riv. Br.	3.0	3/ 7/51	Baun Const. Co.	Gr. & P.M.S.	96,759	16,253	113,012
54-14DC6-P	Fre, Kin	FAS 820, 940, 568		Across Kings Riv., Clark's Fk. & Kings Riv. Overflow near Hanford		10/28/53	Gordon H. Ball & San Ramon Valley Land Co.	3 R.C. Brs.	120,321		122,321
6DC3	Fresno	FAS 823		On Reed Ave. Bet. Manning Ave. & Rte. 41	8.0	5/16/47	A. Teichert & Sons, Inc.	Gr. & P.M.S.	197,337	14,035	211,372
6DC9	Fre, Tul	FAS 1142		Bet. 0.1 Mi. W. of Tulare Co. Line & 1 Mi. E. of Kings Riv.	1.9	2/27/48	P. J. Moore & Son & Harms Bros.	Gr. & B.S.T.	59,156	4,312	63,468
54-14DC9	Fresno	FAS 1198		On Russell Ave. Abt. 11 Mi. NW. of Firebaugh		11/17/53	Slough Constr. Co.	2 R.C. Brs. & 2 R.C. Culvs.	47,046		47,046
6TT26	Fresno	Var	Fre	In Fresno		8/ 9/49	Day Labor	Signals	15,706	302	16,008
	Fresno			Various Locations				Minor Contracts & D.L. Projects	92,544		92,544
1-3TC62	Glenn	7	A, Wlos, B, C, Orl	Bet. 0.3 Mi. S. of Willows & Tehama Co. Line	19.7	5/20/49	W.C. Railing	Resurface with P.M.S.	70,125	6,531	76,656
52-3TC9	Glenn	7	B	Bet. 1.1 Mi. S. of Walker Cr. & Walker Cr.	1.1	6/21/51	C. V. Kenworthy	Gr. & P.M.S.	136,710	14,058	150,768
1-3TC58	Gle, Col	7	C, A	See Colusa County							
53-14TC7	Glenn	7	C	Across Stony Cr. about 0.8 Mi. N. of Orland		5/ 1/52	R. G. Clifford & C. O. Bodenhamer	Widen Conc. Br.	70,428	6,644	77,072

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14WLC46	Glenn	45	B, C	Across Sacramento Riv. & E. Branch of Razor Slough	0.6	2/26/47	Johnson-Western Co.	2 R.C. Br. Substructures (Pors.) & Apps.	$391,458	$40,474	$431,932
14WLC61	Glenn	45	B, C	Across Sacramento Riv. & E. Branch of Razor Slough		9/17/47	Judson-Pacific-Murphy Corp.	2 Br. Super-structures (Pors.)	234,097	16,089	250,186
1-14TC74	Glenn	45	B	At Butte City		7/23/49	Lord & Bishop	Repair Br.	13,983	1,608	15,591
0-14TC36	Glenn	45	C	Across Sacramento Riv. Overflow & Campbell Slough		4/ 1/48	Chas. MacClosky Co.	Redeck 2 Brs.	75,874	10,463	86,337
51-14TC1	Gle, But	45	C, A	Across Big Butte Cr.		4/1/50	Transocean Engineering Co.	Stl. Br. & Apps.	72,221	8,761	80,982
1-3TC73	Glenn	45	C	At Butte City Ferry Crossing		5/17/50	Baker Trucking Co.	Restore Levee & Place Revetment	6,196	1,670	7,866
53-14TC34	Glenn	45	C	At Big Butte Cr. Overflow Abt. 6 Mi. E. of Butte City	0.3	3/27/53	A. A. Edmondson	R.C. Br., Untreated Rock Surf., B.S.T.	58,193	10,000	68,193
53-3T14	Gle, But	45	C, A	Bet. 3 Mi. W. of Butte Cr. & Cherokee Canal (Pors.)	4.4	10/ 2/52	Day Labor	Gravel Base & Surfacing	39,959		39,959
54-14TC14	Gle, But	47	A, A	See Butte County							
3WL23	Glenn	47	A	Across Glenn-Colusa Canal, Br. No. 11-18		2/21/46	Day Labor	Repair Substructure	7,268	32	7,300
1-14TC60	Glenn	47	A	Across Glenn-Colusa Irrigation Canal		4/ 1/49	Shaul Const. Co.	Repair Br.	13,623	2,232	15,855
3T95	Glenn	47	Orl	Bet. 1st & 2d Sts.		2/ 9/50	Day Labor	Correct Drainage	5,445		5,445
3DC4	Glenn	FAS 531		Bet. Willows & Athena	8.5	7/23/47	H. Earl Parker, Inc.	Gr., B.S.T. & R.C. Br.	123,227	12,161	135,388
53-3DC4	Glenn	FAS 531		Bet. Winslow Br. at Stony Cr. & Fruto	5.6	8/27/52	Lefever & Bing	Surf. with I.B.M.	65,472	4,578	70,050
54-3DC2-P	Glenn	FAS 531		Bet. Fruto & Athena	3.4	3/31/54	Clements Constr. Co.	I.B.M.	43,772	2,567	46,339
14DC43	Glenn	FAS 1117		Across Salt Cr.		9/29/48	George M. Carr & Bati Rocca	R.C. Br.	17,727	2,436	20,163
1-14DC54-P	Glenn	FAS 1117		Across Grindstone Cr. & Clark's Valley Cr.		9/19/49	Weidmer Const. Co.	2 R.C. Brs.	46,284	5,950	52,234
52-14DC1	Glenn	FAS 1117		Across Elk Cr., Abt. 24 Mi. W. of Willows		7/11/51	James H. McFarland	R.C. Br.	21,396	3,794	25,190

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14DC33	Glenn	FAS 1119, 1120, 1121, 1122		Across Central & Provident Canals at Various Locations		12/19/47	Erickson, Phillips, & Weisberg	8 R.C. Brs.	$174,055	$14,105	$188,160
1-14DC65	Glenn	FAS 1121		Across Willow Cr. 3.4 Mi. W. of Rte 45		2/11/50	Bos Const. Co.	Widen R.C. Br.	9,071	1,414	10,485
51-3DC1	Glenn	FAS 1121		Bet. 4.7 Mi. E. of U. S. 99W & State Rte. 45	5.1	7/15/50	Westbrook & Pope	Gr., I.B., & I.B.M.	48,338	7,359	55,697
52-3DC11	Glenn	FAS 1121		Bet. State Rte. 7 & 4.6 Mi. E., Abt. 4 Mi. S. of Willows	4.6	5/15/52	Lefever & Bing	I.B.M.	59,417	4,195	63,612
	Glenn			Various Locations				Minor Contracts & D. L. Projects	5,036		5,036
54-1TC4	Humboldt	1	C	Bet. Stephens Grove & Weott (Pors.)	9.9	6/12/53	Fredrickson Bros.	P.M.S. on I.B.	165,015	10,513	175,528
54-1TC15	Humboldt	1	C, D	Bet. 11.8 Mi. S. & 1.2 Mi. N. of Dyerville		3/24/54	Paul E. Woof	Remove Trees, Grade & P.M.S.	11,732	1,173	12,905
1TC20	Humboldt	1	D, E	Bet. Jordan Cr. & South Scotia Bridge	1.2	6/12/47	Clements & Co.	C.T.B., P.M.S. & Sl. Ct.	30,449	2,564	33,013
53-1TC9	Humboldt	1	D	At Shively Bluffs	0.2	7/30/52	Humboldt Constructors, Inc.	Grade, C.T.B. & P.M.S.	196,443	17,656	214,099
54-1TC8	Humboldt	1	D	Between Pepperwood and Paradise Park	1.7	8/ 4/53	Fredrickson Bros.	P.M.S. on C.T.B.	118,034	5,669	123,703
1TC18	Humboldt	1	E	Bet. Greenlaw Bluffs & Scotia	3.2	4/ 2/47	Clements & Co.	P.M.S. & Sl. Ct.	90,188	7,997	98,185
52-1TC5	Humboldt	1	E	Bet. 1 Mi. S. of Scotia Post Office & N. Scotia Br.	1.4	8/24/51	Fredrickson Bros.	Grade, P.M.S. on C.T.B. & R.C. UC.	935,531	95,000	1,030,531
52-1T16	Humboldt	1	E	Bet. Sta. 256+00 & Sta. 259+25 at Scotia	0.1	10/20/52	Day Labor	Horizontal Drains	5,004		5,004
53-1TC11	Humboldt	1	E	At N. Scotia Transition in Scotia		6/ 4/53	Flash Electric	Lights	5,978	170	6,148
0-1TC25	Humboldt	1	E, F, Fta.	Bet. N. Scotia Br. & 16th St. in Fortuna	2.8	4/28/48	Mercer-Fraser Co.	Grade, P.C.C. & P.M.S.	548,892	68,126	617,018
51-1TC10	Humboldt	1, 35	E, F, A	Bet. Robinson Ferry Br. & Alton Grade Crossing	4.4	11/ 1/50	Fredrickson Bros.	Grade, P.M.S. on C.T.B., Stl. Br. & R.C. Br.	1,053,384	98,223	1,151,607
53-14TC26	Hum, Son	1, 104	E, B	Across Eel Riv. S. of Scotia & across Russian Riv. at Guerneville		10/ 9/52	Bos Const. Co.	Corrug. Met. Skid Rail on 2 Stl. & R.C. Brs.	22,049	3,400	25,449

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1TC8	Humboldt	1	G, I, J	Bet. Loleta & Patrick's Point	7.5	5/21/45	Mercer, Fraser Co.	Repair with I.B. & P.M. B.M.	$181,755	$18,869	$200,624
1TC11	Humboldt	1	G	Bet. Loleta & Field's Landing	4.0	4/16/46	Mercer, Fraser Co.	Reinforce Base & P.M.S.	93,955	9,064	103,019
54-1TC9	Humboldt	1	G	Bet. Fields Landing & 0.5 Mi. S. of S.C.L. of Eureka	3.4	8/24/53	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	P.M.S. on C.T.B.	216,977	21,697	238,674
54-1TC12	Humboldt	1	G	Intrs. with Rte. 56 at Fernbridge	0.3	11/ 2/53	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	Widen & P.M.S.	22,736	2,611	25,347
54-14TC8	Humboldt	1	G	Abt. 6 Mi. S. of Eureka	-----	4/ 8/53	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	R.C. Cattlepass	12,898	----------	12,898
14TC51	Humboldt	1	H	At Eureka Slough	-----	6/28/48	Tom Hull	Reconstruct Br. Fenders	18,004	2,495	20,499
53-1T14	Humboldt	1	H, Arc, I	At 2 locations in Arcata	-----	11/13/52	Day Labor	Drains	6,920	----------	6,920
53-1TC8-F	Humboldt	1	H, Arc, I	Bet. Gannon Slough & 0.9 Mi. N. of Plaza Ave.	2.9	7/30/52	Mercer Fraser Co. & Mercer Fraser Gas Co., Inc.	Gr. & P.M.S. on I.B.M. & C.T.B	701,980	78,852	780,832
54-1TC3-F	Humboldt	1	H, Arc, I	Bet. Gannon Slough & 0.9 Mi. N. of Plaza Ave.	2.9	6/18/53	Mercer Fraser Co. & Mercer Fraser Gas Co., Inc.	P.M.S. on C.T.B. on I.S.M.	571,238	40,575	611,813
54-1T4	Humboldt	1	I	At Gallacci Draw	-----	10/16/53	Day Labor	Replace Br.	7,051	----------	7,051
51-1TC11	Humboldt	1, 20	I, A, B	7 Mi. N. of Arcata & at Jct. of Rte. 20 with Korbel Rd.	-----	6/15/51	Mercer Fraser Co. & Mercer, Fraser Gas Co., Inc.	Truck Scales & Apps.	48,467	5,976	54,443
1TC12	Humboldt	1	J	Bet. Patrick's Point & Big Lagoon	3.4	4/30/46	Mercer, Fraser Co.	P.M.S. on I.B.M.	98,347	6,865	105,212
1-1TC31-F	Humboldt	1	J	Bet. Stone Lagoon Summit & S. of Orick	3.8	4/ 5/49	Piombo Const. Co.	Gr.	680,500	73,498	753,998
1T70	Humboldt	1	J	At Lookout Point & Freshwater Lagoon	-----	8/19/49	Day Labor	Hydrauger Drains	39,551	----------	39,551
51-1TC7-F	Humboldt	1	J	Bet. 0.5 Mi. S. of Stone Lagoon Summit & 1 Mi. S. of Orick	3.8	4/26/50	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	I.S.M., I.B.M. & P.M.S. on C.T.B.	214,518	24,535	239,053
51-14TC9	Humboldt	1	J	Across Redwood Creek Overflow, 0.8 Mi. W. of Orick	-----	6/14/50	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	R.C. Br. & Apps.	28,374	3,691	32,065

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-1TTC1	Humboldt	1	I, J	Bet. 13 Mi. & 39 Mi. N. of Eureka		3/31/54	Mercer Fraser Co. & Mercer Fraser Gas Co., Inc.	Drainage Facilities	$3,268	$208	$3,476
0-1TC23	Humboldt	1	K	Bet. 2.8 & 7.6 Mi. N. of Orick	4.8	4/ 1/48	Mercer-Fraser Co.	Gr. & P.M.S.	172,280	14,399	186,679
0-1TC30	Hum, D.N	1	K, A	Bet. 2 Mi. S. & 0.5 Mi. N. of Hum-D.N Co. Line	2.5	8/17/48	Harms Bros. & C.M. Syar	P.M.S. on C.T.B.	121,313	8,908	130,221
1-1TC33	Humboldt	1	K	Bet. 7.6 Mi. & 10.4 Mi. N. of Orick	2.8	4/ 1/49	Mercer-Fraser Co.	P.M.S. on C.T.B.	104,203	9,327	113,530
51-1TC5	Humboldt	1	K	Bet. 1 Mi. S. of Orick & 2 Mi. S. of Del Norte Co. Line	5.2	4/ 1/50	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	P.M.S. on I.B.M. & C.T.B.	222,027	18,318	240,345
52-14TC7-F	Humboldt	1	Arc	Over Burns Freeway at 11th & 14th Sts.		6/20/51	Mercer, Fraser Co., & Mercer, Fraser Gas Co., Inc.	2 R.C. OC's. & P.M.S. on I.B.M. on Apps.	285,769	34,494	320,263
54-1TC7	Humboldt	1	Arc	At intersections of "G" St. with 7th St. and 11th St.		7/23/53	L.H. Leonardi Electric Construction Co.	Traffic Signals	8,223	840	9,063
0-1TMC2	Humboldt	1	Eur	Bet. S.C.L. & Eureka Slough Br.	2.6	7/16/48	Mercer-Fraser Co.	Resurf. with P.M.S.	95,602		95,602
54-1TC6	Humboldt	1	Eur	City of Eureka at intersections of 4th St. with A St., F St., H St., and J St. and Broadway with 7th St.		7/23/53	L. H. Leonardi Electric Construction Co.	Traffic Signals	28,044	1,601	29,645
52-1TC3	Humboldt	1	Trnd, J	Bet. Trinidad & 2.8 Mi. N'ly	2.8	5/21/51	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	Gr. & P.M.S.	158,946	18,576	177,522
14WLC28-F	Humboldt	20	A	Across Mad River		1/ 5/46	Mercer-Fraser Co.	Stl. & Con. Br. & Apprs.	213,710	25,542	239,252
1W25	Humboldt	20	B, C	Bet. Blue Lake & 1 Mi. E. of Redwood Cr.	16.4	9/17/46	Day Labor	Gr. & Sl. Ct.	193,639	6,912	200,551
1WC11	Humboldt	20	B, C	Bet. Redwood Summit & 1 Mi. E. of Redwood Cr.	4.7	10/25/46	W. C. Railing	I.B.M.	59,973	2,775	62,748
1WC12-F	Humboldt	20	B	Bet. 1.2 Mi. E. of Korbel Rd. & 2.7 Mi. E. of Redwood Summit	10.0	3/26/47	W. C. Railing	Base & Stockpile Screenings	97,418		97,418
51-14TC29	Humboldt	20	B	Across N. Fork Mad Riv.	0.5	6/15/51	G. M. Carr, Bati Rocca, & John Burman & Sons	Stl. & R.C. Br. & Apps.	387,337	44,475	431,812
52-1T12	Humboldt	20	B	Bet. Mi. 0.00 & Mi. 1.20	1.2	10/ 5/51	Day Labor	Improve Roadbed	27,373	300	27,673

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14WLC51	Humboldt	20	C	Across Redwood Cr.	-----	5/28/47	Osborne Engr. Co.	Repair Steel Truss	$10,991	$333	$11,324
14WLC59	Humboldt	20	C	Across Redwood Cr.	-----	6/30/47	Tom Hull	Erect Steel Truss Span	15,546	1,823	17,369
54-1T3	Humboldt	20	C, D	Bet. 35.9 Mi. & 40 Mi. E. of Rte. 1	4.1	7/16/53	Day Labor	Widen Roadway & Drainage	5,001	----------	5,001
41W10	Hum, Tri	20	D, C, D	Bet. Willow Cr. & Whites Bar Cr.	-----	1/23/42	Honor Camp Labor	Camp; Gr. & Surface	1,132,344	86,105	1,218,449
1T65	Hum, Tri	20	D, C, D	Bet. Willow Cr. & Whites Bar (Portions)	15.2	7/ 1/48	Honor Camp Labor	Gr. & Oil	255,135	18,203	273,338
1T69	Hum, Tri	20	D, C, D	Bet. Willow Cr. & Whites Bar (Portions)	15.2	7/ 1/49	Honor Camp Labor	Gr. & Oil	305,667	22,733	328,400
1T78	Hum, Tri	20	D, C, D	Bet. Willow Cr. & Whites Bar (Pors)	-----	7/ 1/50	Honor Camp Labor	Gr., Pen. Tr. & Sl. Ct.	328,600	22,447	351,047
52-1T13	Humboldt	35	A, B	Bet. 1.25 Mi. E. of Alton & Bridgeville	-----	4/ 1/52	Day Labor	Improve Drainage	54,721	1,402	56,123
54-1TC1-FP	Humboldt	35	A, B	Bet. 11 Mi. E. of Alton & 3.5 Mi. W. of Bridgeville	9.9	5/25/53	Mercer Fraser Co. & Mercer Fraser Gas Co., Inc.	P.M.S. on I.B.M. & Drainage	134,477	10,815	145,292
54-14BC2-F	Humboldt	35	A, B	Bet. Alton & Bridgeville at Yager Cr. & Grizzly Cr. & Grizzly Cr. State Park	-----	7/ 8/53	Humboldt Constructors Inc.	Reconstruct Stl. Br., R.C. Br. & Por. of roadway	42,845	4,284	47,129
1WL28	Humboldt	35	B	Across Slide Br.	-----	8/14/46	Day Labor	Replace R.C. Br.	6,015	----------	6,015
52-14TC6	Humboldt	35	B	Across Grizzly Cr.	-----	6/13/51	G. M. Carr & Bati Rocca	Repair R.C. Br.	25,359	1,677	27,036
52-1TC8	Humboldt	35	B	At First Crossing of Van Duzen Riv.	-----	6/24/52	Mercer Fraser Co. & Mercer Fraser Gas Co., Inc.	Stockpile I.B.M.	19,819	1,662	21,481
1T83	Humboldt	35	B, C, D	Bet. Van Duzen Riv. & Trinity Co. Line	2.1	3/ 7/51	Day Labor	Widen, Surf. & Oil	27,090	1,125	28,215
1T75	Humboldt	35	C	Bet. Mi. 3 & Mi. 8, E. of Bridgeville	2.5	2/23/50	Day Labor	Base, Surf. & Drainage	9,995	----------	9,995
52-1T15	Humboldt	46	C	Bet. Martins Ferry & Weitchpec	3.6	5/ 9/52	Day Labor	Gr. & Drainage Structures	19,957	1,699	21,656
54-14TC17	Humboldt	46	D	Across Bluff Cr. abt. 10.5 Mi. SW. of Orleans	-----	6/ 4/53	James H. McFarland	Reconstruct Timber & Stl. Br.	16,113	1,611	17,724
1T72	Humboldt	46	D, E	Bet. Weitchpec & Orleans	15.9	9/ 6/49	Day Labor	Gr. & P.M.S.	23,962	----------	23,962
1-14TC61	Humboldt	46	E	Across Camp Cr.	-----	4/ 1/49	G. M. Carr & Bati Rocca	Reconst. Stl. Br.	45,768	4,186	49,954
0-1TC29	Humboldt	46	F	Bet. Pearch Cr. & 0.8 Mi. N'ly	0.9	8/23/48	Fred J. Maurer & Sons	Gr., I.B. & Culv.	108,440	15,079	123,519
1T76	Humboldt	56	A	At Salt River Bet. Fernbridge & Ferndale	0.2	5/12/50	Day Labor	Detour	10,460	----------	10,460
51-14TC14	Humboldt	56	A	Across Salt River, SW. of Fernbridge	-----	8/22/50	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	R.C. Br. & Apps.	109,603	10,035	119,638

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14WLC50-F	Humboldt	84, 46	B, C, D	Across Klamath River at Weitchpec	0.5	5/12/47	Clifford A. Dunn	Br. Substructure & Apps.	$272,657	$32,364	$305,021
14WC16-P	Humboldt	84, 46	B, C, D	Klamath River at Weitchpec	0.6	9/23/47	Guy F. Atkinson Co.	Stl. Superstructure & Apps.	376,766	24,035	400,801
1T81	Humboldt	84	B	19.2 Mi. N. of Willow Cr., Br. No. 4-143	-----	1/ 5/51	Day Labor	Redeck & Repair Timber Br.	6,467	----------	6,467
54-1TC10	Humboldt	85	A	At Mad River Washout abt. 4.5 Mi. N. of Arcata	0.1	9/25/53	Ted Schwartz	Gr., P.M.S. & Riprap	46,811	3,417	50,228
1DC1	Humboldt	FAS 501	----------	Bet. Arcata & Ryans Slough Br.	8.0	10/ 3/46	Mercer-Fraser Co.	Gr. & P.M.S.	193,830	18,087	211,917
53-1DC1	Humboldt	FAS 501	----------	Bet. E.C.L. of Eureka & 1.3 Mi. SE'ly.	1.3	10/17/52	Mercer Fraser Co. & Mercer Fraser Gas Co., Inc.	Widen & P.M.S.	33,670	3,398	37,068
1DC4	Humboldt	FAS 968	----------	Bet. Jct. Rte. 20, E. of Blue Lake & Korbel	1.3	5/29/47	Mercer-Fraser Co.	Gr. & P.M.S.	54,766	4,618	59,384
53-1DC3	Humboldt	FAS 969	----------	Alliance Rd. Bet. N.C.L. of Arcata & 1.4 Mi. NW'ly.	1.4	12/16/52	Mercer Fraser Co. & Mercer Fraser Gas Co., Inc.	Gr. & P.M.S. on I.B.M.	59,537	4,281	63,818
1DC2	Humboldt	FAS 970	----------	On Elk Riv. Rd. Bet. Jct. with Rte. 1, S. of Eureka & Elk Riv. School	2.2	3/26/47	Mercer-Fraser Co.	Gr. & Sl. Ct.	62,516	4,845	67,361
54-14DC8	Humboldt	FAS 970	----------	Across Martin's Slough abt. 4 Mi. S. of Eureka	-----	11/ 4/53	James H. McFarland	Widen R.C. Br.	19,328	2,300	21,628
53-1DC2	Humboldt	FAS 971	----------	Bet. Freshwater & Kneeland P.O.	2.2	11/20/52	J. L. Conner, Jr.	Gr.	54,632	5,000	59,632
1-1DC12	Humboldt	FAS 975	----------	Bet. 0.7 Mi. E. of Fortuna City Limit & Hydesville	3.3	7/ 7/50	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	Gr. & R.M.S. on I.B.M.	88,420	12,042	100,462
1DC7	Humboldt	FAS 976	----------	Bet. Bull Cr. Flat State Park & 7.3 Mi. W'ly.	7.3	7/21/48	John Burman & Sons	Gr.	169,800	22,594	192,394
54-1DC2	Humboldt	FAS 976	----------	Bull Cr.-Honey Dew Rd. Bet. 7.3 Mi. & 10.1 Mi. W'ly. of Bull Cr. Flat State Park	2.9	8/21/53	John Burman & Sons	Gr.	56,203	5,620	61,823

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1DC8	Humboldt	FAS 977		Bet. Whittemore Grove State Park & 2.5 Mi. W'ly	2.5	7/20/48	M. Malfitano & Son, Inc., & Macal Improvement Co., Inc.	Gr.	$79,896	$12,283	$92,179
14WC14-F	Humboldt			In Whittemore Grove State Park Across S. Fork of Eel Riv. near Redway		9/16/47	Reed & Tuttle	Repair Stl. Truss. Br.	42,034	5,647	47,681
	Humboldt			Various Locations				Minor Contrs. & D.L. Projs.	85,106		85,106
0-14VC71	Imperial	12	A, B, C	Bet. 10 Mi. & 25 Mi. W. of El Centro		9/29/48	R. M. Price & O. B. Pierson	Redeck 15 Timber Brs.	101,487	12,208	113,695
53-11VC3	Imperial	12	A, B	Bet. 1.5 Mi. W. of Coyote Wells & 0.5 Mi. W. of Plaster City	5.2	5/12/52	Marks Bros. Const. Co.	R.M.S. & Seal	50,915	7,765	58,680
54-11VC2	Imperial	12	A, B	Bet. Coyote Wells UP. & Plaster City (Por.)	4.6	5/15/53	E. S. & N. S. Johnson	R.M.S. & Sl. Ct.	39,908	3,990	43,898
14VC46	Imperial	12	B	Across Apache Wash & Sandy Ditch		1/26/48	E. G. Perham	Redeck 2 Brs. with P.C.C.	29,129	2,526	31,655
1-11VC42	Imperial	12	B, C	Bet. Plaster City & El Centro	6.0	4/21/49	Roland T. Reynolds	R.M.S.	41,365	4,467	45,832
11VC15-F	Imperial	12, 26	C, ECn, F, Imp, G, Brw	Bet. El Centro & Brawley	13.1	5/16/47	Basich Bros. & Basich Bros. Const. Co.	Gr. & P.M.S. on C.T.B.	1,524,220	124,076	1,648,296
11V48	Imperial	12, 26	C, ECn, F, Imp, G, Brw	Bet. El Centro & Brawley	13.1	5/18/48	Day Labor	Signs & Stripe	5,192		5,192
52-14VC6	Imperial	12	C	Across New Riv., 0.5 Mi. W. of Seeley	0.7	10/19/51	R. P. Shea Co.	Stl. Br. & Apps.	343,751	67,135	410,886
53-11V18	Imperial	12	C	At Elder Main Canal & Elder Lateral No. 13		4/10/53	Imperial Irrigation Dist.	Drainage	5,000		5,000
11VC18	Imperial	26	A, B, C	Bet. Trifoleum Canal & Sandy Beach Rd.	15.1	9/22/47	R. A. Erwin & Cee Tee Const. Co.	Resurf. with B.S.T. & P.M.S., & R.C. Br.	434,736	55,924	490,660
14VC16-F	Imperial	26	B, C	Across Lone Tree Wash & San Felipe Cr.		10/31/46	Bent Const. Co.	Conc. Br. & Stl. Br. & Apps.	254,058	17,765	271,823
52-14VC12	Imperial	26	E	Across Tesla Ditch, abt. 7.3 Mi. S. of Riverside Co. Line		11/21/51	E. G. Perham	R.C. Br.	21,709	3,889	25,598
53-14VC16	Imperial	26	E	Across Valerie Wash, 7.3 Mi. S. of Riverside Co. Line		10/ 3/52	W. J. Disteli	R.C. Br.	26,117	2,337	28,454

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
11XC12	Imperial	26, 27	J, ECn	Bet. Calexico & El Centro & in El Centro	12.7	8/ 7/46	Tanner Const. Co.	Gr. Portions, Improve Shldrs. & P.M.S.	$237,389	$26,799	$264,188
1-11VVC5-P	Imperial	26, 187	Brw	Main St. at 1st & 6th Sts.	-----	3/17/50	Westates Elc. Const. Co.	Signals & Lights	11,463	1,194	12,657
53-11VC2	Imperial	26	Brw, H	Bet. S.C.L. of Brawley & 1.1 Mi. W. of Brawley	1.7	4/22/52	Basich Bros. Const. Co. & N.L. & R.L. Basich	Gr. P.M.S. & R.C. Br.	367,351	58,424	425,775
0-11VMC15-P	Imperial	26, 187	Clx, Brw	In Calexico & Brawley	3.2	8/ 3/48	Basich Bros. & Basich Bros. Const. Co.	Resurf. with P.M.S.	98,204	----------	98,204
11VC14-F	Imperial	26	ECn	On 4th St. & Adams Ave., Bet. Main St. & Imperial Ave.	1.2	1/28/47	R. E. Hazard Const. Co.	Gr. & P.C.C.	347,975	37,694	385,669
11VC20-P	Imperial	26	ECn	At Intrs. of 4th St. with Main St. & 8th St. with Adams Ave.	-----	1/20/48	C. E. Seymour	Signals	19,383	371	19,754
11VC34	Imperial	26	ECn, Imp	In El Centro & Imperial	-----	6/29/48	California Elc. Works	Signals & Lights	20,632	328	20,960
1-11VC58	Imperial	27	A, B	Bet. Midway Wells & Colorado Riv. (Por.)	9.7	4/21/50	E. S. & N. S. Johnson	R.M.S.	53,851	7,055	60,906
52-11V13	Imperial	27	A	Bet. E. Highline Canal & Jct. with Rte. 202	11.8	4/28/52	Day Labor	Gr. & Surf. Shldrs.	38,197	1,323	39,520
53-11VC5	Imperial	27	A	Bet. East Highline Canal & Jct. with Rte. 202	11.8	6/18/52	Basich Bros. Const. Co., N. L. & R. L. Basich	Resurf. with P.M.S.	144,491	10,161	154,652
53-11V13	Imperial	27	A	Bet. Sta. 0+21 & Sta. 622+00	11.8	11/28/52	Day Labor	Gr. & Pave Shldrs.	6,794	----------	6,794
11V20	Imperial	27	B	Near Winterhaven	1.3	8/13/46	Day Labor	Detours & Apps.	6,978	27	7,005
14VC18	Imperial	27	B	Near Winterhaven	-----	8/30/46	Tanner Const. Co.	Redeck 8 Timber Brs.	54,453	4,691	59,144
14VC35	Imperial	27	B	Bet. Grays Well & Winterhaven	-----	9/ 8/47	C. B. Tuttle Co.	Redeck 12 Timber Brs. with P.C.C.	38,426	3,260	41,686
11V30	Imperial	27	B	Bet. Grays Well & Winterhaven	2.4	9/10/47	Day Labor	Detours & Apps.	13,484	80	13,564
53-14VC17	Imperial	27	B	Across Araz Wash, 6.3 Mi. W. of Colorado Riv. Br. at Yuma, Ariz.	0.2	10/15/52	Laredon Const. Co.	R.C. Br. & Detour	64,256	8,741	72,997
54-11VC15	Imperial	27	C	Bet. E.C.L. of El Centro & 0.3 Mi. E. of State Rte. 201	2.4	11/12/53	Basich Bros Const. Co., R. L. Basich & N. L. Basich	Gr. & P.M.S. on C.T.B.	338,909	10,000	348,909
0-14VC60	Imperial	27	D, A	Across East High Line Canal	0.5	6/29/48	Basich Bros. & Basich Bros. Const. Co.	Stl. Br. & Apps.	112,360	14,582	126,942

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-11VC3-P	Imperial	27	ECn	Bet. 1st St. & E.C.L.	0.5	5/14/51	Anderson Co.	Widen & R.M.S.	$60,750	$9,003	$69,753
53-11V16	Imp, Riv	64, 26	B, C, H, I; G, E	See Riverside County							
11V56	Imperial	187	A	Bet. 6.1 and 6.4 Mi. N. of Bond's Corner	0.3	9/19/49	Day Labor	Resurf. with P.M.S. & Bank Protection	12,373	157	12,530
53-11VC14-FP	Imperial	187, 201	B, C, C	At Intrs. of Holt Ave. & Pine Rd., at Orita Turn & at Intrs. of Wiest Rd. & Main St.	1.3	1/19/53	Basich Bros. Const. Co., N. L. Basich & R. L. Basich	Gr., R.M.S. on C.T.B.	134,885	17,000	151,885
1-11VC44	Imperial	187, 201	B, C, A, B	Bet. Holtville & Brawley & Bet. Heber & Brawley	3.4	5/ 6/49	Warren Southwest, Inc.	R.M.S. on I.B.M.	39,465	5,213	44,678
1-11VC49	Imperial	187	B, C	At Sandia & Alamorio Turns	1.3	11/14/49	E. C. Young & Co.	Gr. & R.M.S. on I.B.M.	61,448	13,673	75,121
1-11VC59	Imperial	187	B, C, D	Bet. Holtville & Calipatria (Pors.)	7.4	4/ 21/50	Arthur A. Johnson	R.M.S. on I.B.M.	79,626	9,600	89,226
53-14VC14-FP	Imperial	187	B	Across Holtville Main Drain, 9.2 Mi. N. of Holtville	-----	10/ 2/52	O. B. Pierson	R.C. Br. & Detour	55,361	7,151	62,512
51-14VC6	Imperial	187	D	Across New Riv., 5 Mi. N. of Brawley	-----	9/12/50	Norman I. Fadel	R.C. Br. & Apps.	53,149	6,749	59,898
1-11VC50	Imperial	187	E, F	Bet. Main St. in Niland & 2 Mi. NW. of Niland	2.2	11/15/49	Roland T. Reynolds & Thomas Const. Co.	Gr., P.M.S. on C.R.B. & I.B.M., & 4 R.C. Brs.	225,100	33,347	258,447
1-11VC52	Imp, Riv	187	F, G, A	Bet. 2 Mi. NW. of Niland & Durmid	6.0	12/ 9/49	E. L. Yeager Co.	Gr., R.M.S., 14 R.C. Brs. & 32 R.C. Culv.	440,888	50,165	491,053
1-11VC54	Imperial	187	F, G	Bet. 2 Mi. NW. of Niland & Riverside Co. Line	21.8	3/20/50	Hensler Const. Corp.	Gr., I.B.M. & R.M.S.	408,977	49,287	458,264
54-11VC1	Imperial	187	G	Bet. 2 Mi. NW. of Frink & Riverside Co. Line	11.3	4/ 1/53	Geiser Const. Co.	I.B.M. & R.M.S.	71,036	7,104	78,140
0-14VC72	Imperial	198	A	Across Condit & Bondit Ditches	-----	9/29/48	R. M. Price & O. B. Pierson	2 R.C. Brs.	25,156	4,624	29,780
1-14VC98	Imperial	198	A	Across San Felipe Cr. & Overflow	-----	4/ 1/50	Anderson Co.	R.C. Br. & Apps.	98,076	14,542	112,618
54-11VC23	Imperial	198	A	At Condit & Bondit Ditches abt. 45 Mi. E. of Julian	-----	4/22/54	Louis J. Strona	P.C.C. Cutoff Walls	5,922	592	6,514

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
11XC18	Imperial	201, 187	A, B, C, A, B, C	Bet. Jct. Rte. 26, 1.5 Mi. E. of Heber & 1.9 Mi. S. of Calipatria & Bet. 3.6 Mi. N. of Bond's Corner & Alamorio	12.0	6/30/47	MacArthur & Son	Repair with I.B.M. & R.M.S.	$80,578	$2,764	$83,342
0-11VC26	Imperial	201, 187	A, B, C, C	Bet. Rte. 26 & Calipatria & Bet. Curlew Curlew & Alamorio	6.6	4/ 9/48	MacArthur & Son	Resurf. with P.M.S.	80,310	4,223	84,533
1-11VC53	Imperial	201	B	Across Rockwood Canal, 2.5 Mi. S. of Brawley	0.4	1/12/50	Arthur A. Johnson	R.C. Br.	25,392	7,737	33,129
54-11VC9-FP	Imperial	201	C	Bet. Standard Canal & Main St. of Calipatria	3.3	8/14/53	Cox Bros. Const. Co.	Widen & R.M.S. on I.B.M.	88,597	8,860	97,457
14VC38	Imperial	202	A, B	Across New Riv. & Greeson Wash	0.3	10/20/47	G. W. Peterson	2 Con. Brs. & Apps.	54,366	5,622	59,988
51-14VC5	Imperial	202	B	Across New Riv., 2 Mi. W. of Calexico	-----	8/31/50	Anderson Co.	R.C. Br. & Apps.	42,290	6,822	49,112
11X35	Imperial	202	C	Across Briar & Central Main Canals	-----	12/ 9/46	Day Labor	Lengthen Central Canal Br. & Place Embankment Protection at Both Structs.	8,750	12	8,762
1-11VC55	Imperial	202	C	Bet. Ash Canal & S. Alamo Canal	0.6	3/18/50	Hubbs Equipment Co.	Gr. & R.M.S. on I.B.M.	22,776	4,605	27,381
53-11VC15-FP	Imperial	202	C	Bet. 2.6 Mi. E. of Calexico & Hemlock Canal (Por.)	4.8	2/ 2/53	J. E. Roberts	Gr. & R.M.S. on I.B.M.	266,467	34,000	300,467
11DC3	Imperial	FAS 649	----------	Bet. N. of New Riv. & W. of Calipatria	20.1	4/29/49	Hensler Const. Corp.	P.M.S. on C.T.B. & I.B.M.	426,390	54,557	480,947
14DC61	Imperial	FAS 649	----------	Across West Side Main & Sumac Canals	-----	12/13/49	T. A. Kvale	Stl. Br. & R.C. Pipe Siphon	32,835	4,264	37,099
52-11VC4	Imperial	Var	Var	Various Locations	46.0	5/22/51	Basich Bros. Const. Co., & N. L. Basich & R. L. Basich	P.M.S.	469,436	48,285	517,721
----------	Imperial	-------	----------	Various Locations	-----	----------	----------	Minor Conts. & D.L. Projs.	58,440	----------	58,440
51-9VC5	Inyo	23	B	At Aberdeen & Black Rock Curves	0.6	5/17/50	E. C. Young & Co.	Gr., R.M.S. on I.B.M. & Sl. Ct.	13,903	2,664	16,567
52-9VC2	Inyo	23	B, D	Bet. Division Cr. & Aberdeen & Bet. Keough Hot Springs & Steven's Corner	6.0	4/ 2/51	Verne MacArthur	B.S.T.	25,867	4,162	30,029
52-9VC1	Inyo	23, 76	C, Bis	Bet. Rte. 63 & 1.3 Mi. N. & Bet. Main St. & W.C.L. of Bishop	1.8	4/ 2/51	G. W. Ellis Const. Co.	P.M.S. & Drainage Facilities	102,182	8,783	110,965
1-9VC22	Inyo	23	D, Bis, E	At Bishop	0.4	6/14/49	Bishop Engineer & Const. Co.	Resurf. & Drainage	44,365	5,079	49,444

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-14VC19	Inyo	23	E, F	Bet. 1½ & 12½ Mi. NW. of Bishop	-----	4/17/53	Chas. H. Major	Widen 4 R.C. Brs.	$15,937	$1,594	$17,531
9VC6-F	Iny, Ker	23	G, E	See Kern County							
51-9VC1	Inyo	23	G	Bet. Little Lake & 3 Mi. N.	2.4	4/19/50	Halloran & Gill	Gr.,R.M.S.on I.B.M. & Sl.Ct.	21,632	4,328	25,960
53-9VC1	Inyo	23	G, H	Pors. Bet. Kern Co. Line & Dunmovin	17.6	4/ 1/52	Rice Bros., Inc.	Gr.& P.M.S. on U.R.B.,B.S.T. on Shldrs. & Sl. Ct.	138,232	23,654	161,886
9VC11	Inyo	23	H, I	Bet. 2.0 Mi. S. & 10.7 Mi. S. of Olancha	0.4	1/21/48	Bishop Engr. & Const. Co.	Gr. & B.S.T.	12,669	2,517	15,186
54-9VC2	Inyo	23	H, I	Abt. 5 Mi. S. of Olancha Bet. Dunmovin & Haiwee	8.6	5/20/53	Basich Bros. Const. Co. & R. L. & N. L. Basich	Gr., P.M.S. on U.R.B.	180,327	18,033	198,360
54-14VC8	Inyo	23	I	Across Los Angeles Aqueduct abt. 3 Mi. S. of Olancha	-----	8/25/53	Owl Truck & Const. Co.	Widen Stl. Br.	22,609	3,500	26,109
54-14VC2	Inyo	23	J	Across Ash Cr. & Cottonwood Cr. abt. 42 & 44 Mi. N. of Kern Co. Line	-----	4/30/53	Friant Const. Co.	2 R.C. Brs.	26,678	2,668	29,346
9VC10-F	Inyo	23	L, M	Bet. Alabama Gates & Manzanar	4.3	12/18/47	Basich Bros. Const. Co., Basich Bros. & O. B. Pierson	Gr., P.M.S. on C.R.B. & Stl. Br.	223,217	27,224	250,441
1-9VC19	Inyo	23	L,M,A,D	Bet. Lone Pine & Bishop	18.1	5/ 6/49	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Surf. Shldrs. with R.M.S.	55,459	6,788	62,247
53-9VC2	Inyo	23, 76	Bis, E, A	Bet. S.C.L. Bishop & Texaco Corners	1.5	5/12/52	G. W. Ellis Const. Co.	Widen & Resuf. with P.M.S.	150,889	20,593	171,482
9XC4	Inyo	76, 127	A, Bis, C	Bet. Rte. 23 & Mono Co. Line, in Bishop, Bet. W. City Limits & Rte. 23 & Bet. Rte. 23 & Keeler	3.2	5/16/47	Browne & Krull	R.M.S.	17,539	2,215	19,754
1-14VC85	Inyo	76	A	Across Owens Riv. & Lower McNally Canal	-----	4/26/49	Jas. R. Mathews Excavating Co.	Stl. Br., R.C. Culv. & Apps.	45,148	5,086	50,234
52-9VC5	Inyo	76	B	Across Bishop Cr., 7.1 Mi. W. of Bishop	-----	5/ 2/51	Conrad Const. Co.	Culv. & Apps.	14,324	2,498	16,822
1-9VC27	Inyo	127	C, D	Bet. S.P. R.R. Xing, W. of Keeler & Soda Plant	5.4	11/ 9/49	Rice Brothers, Inc.	Gr. & P.M.S. on I.B.M.	93,453	15,708	109,161
1-9VC24	Inyo	127	D	Bet. Soda Plant & 8 Mi. S.	7.1	7/12/49	R. A. Erwin	Gr. & R.M.S.	82,123	16,301	98,424
54-9VC1-FP	Inyo	127	D, E	Bet. Rolling Hills & Darwin Jct. (Por.)	4.4	4/ 1/53	Hess Const. Co., Inc.	Gr., R.M.S. on I.B.M.	111,527	14,817	126,344
54-9VC6	Inyo	127	I	Bet. 3.9 & 6.1 Mi. E. of Stovepipe Wells	2.2	9/22/53	James E. Roberts	B.S.T. on I.B.M.	21,810	2,181	23,991

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
9VC9	Inyo	127	N	At Shoshone	0.7	11/13/47	A. A. Edmonson	Gr. & R.M.S.	$26,455	$5,198	$31,653
53-9V10	Inyo	212	D	At Amargosa Riv.	-----	6/30/52	Day Labor	Gr., Surf. & Drainage	11,996	1,341	13,337
9V26	Inyo	212	D, E	Bet. Shoshone & State Line	19.6	11/ 9/49	Day Labor	Improve Roadway	24,832	744	25,576
9DC5	Inyo	FAS 1065	----------	Bet. N. of Trona & Water Canyon	4.9	1/15/48	Swedlow Engr. Co., Inc.	Gr. & B.S.T.	130,491	21,975	152,466
9DC8	Inyo	FAS 1065	----------	Bet. 16 Mi. N. of Trona & SW. End of Wildrose Canyon	15.0	12/14/48	Arthur A. Johnson	Gr., I.B. & Pen. Tr.	88,212	14,337	102,549
9DC9	Inyo	FAS 1065	----------	Bet. SW. End Wildrose Canyon & Death Valley Nat. Monument	5.7	7/25/49	Dicco, Inc. & Dixsyl Const. Co., Inc.	Gr. & Pen. Tr.	36,764	7,682	44,446
52-9DC1-P	Inyo	FAS 1065	----------	Bet. 11 Mi. N. of Trona & Death Valley National Monument	25.7	7/27/51	Verne MacArthur	R.M.S., C.T. & Sl. Ct.	62,786	3,680	66,466
9DC6	Inyo	FAS 1068	----------	Bet. Independence & Kearsarge	4.5	1/26/48	Brown & Krull	Gr., I.B., Pen. Tr., & Widen Stl. Br.	47,121	6,853	53,974
52-9DC4	Inyo	FAS 1069	----------	Bet. Glacier Lodge & 4 Mi. W'ly. of Big Pine	6.4	6/23/52	Ball & Simpson	Gr. & R.M.S.	209,175	16,306	225,481
9DC1	Inyo	FAS 1070	----------	On Warm Springs Rd. & Poleta Rd. near Bishop	4.4	5/16/47	Basich Bros. Const. Co. & Basich Bros.	Gr., B.S.T. & 2 Timber Brs.	116,915	8,861	125,776
9DC4	Inyo	FAS 1071, 1069	----------	On Pine Cr. Rd. & Glacier Lodge Rd.	4.2	9/22/47	Westbrook & Pope	Gr. & Pen. Tr.	79,874	11,292	91,166
53-9DC1	Inyo	FAS 1071	----------	Bet. Brown's Camp & Rovana	5.0	11/20/52	Eaton & Smith	Gr. & R.M.S.	112,677	11,800	124,477
----------	Inyo	-------	----------	Various Locations	-----	----------	----------	Minor Conts. & D.L. Projs.	27,038	----------	27,038
6VC6	Kern	4	A	Bet. 1.6 Mi. & 1.25 Mi. S. of Grapevine Sta.	-----	5/16/46	Griffith Co.	R.C. Traffic Deflectors	21,130	2,350	23,480
0-6VVC1	Kern	4	A	At Oak Glen	-----	11/ 8/48	Bob Hawk	Widen Shldrs.	2,349	453	2,802
1-6VC33	Kern	4	A	Bet. Fort Tejon & N. of Grapevine	5.0	4/19/49	Hensler Const. Corp.	R.C. Traffic Deflectors	196,285	11,258	207,543
1-6VC38	Kern	4	A	Bet. Oak Glen & Grapevine Sta.	1.8	9/ 2/49	Griffith Co.	Resurf. with P.M.S.	34,141	3,469	37,610
52-6V10	Kern	4	A	Bet. Scale House & Glen Oak	-----	3/14/52	Day Labor	Asphalt Subsealing	5,506	----------	5,506
1-6VC43-F	Ker, L.A.	4	A, D, J	Bet. 2.5 Mi. S. of Rte. 59 & Fort Tejon	11.4	6/26/50	N. M. Ball Sons	Gr., P.M.S., P.C.C., & R.C. Br.	1,750,606	205,281	1,955,887
51-7VC43	Ker, Ven, L.A	4, 2	A, F, A, D, J	See Los Angeles County							
53-6VC2	Kern	4	A	Bet. Scale House & Oak Glen	2.2	7/ 8/52	Griffith Co.	P.M.S. & P.M.P. Underdrains	49,353	6,271	55,624

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-6VC17	Kern	4, 140	B, C, B	Bet. Grapevine & Switzers & Bet. Mi. 6.74 & Rte. 4	29.8	4/10/48	Dicco, Inc. & Dix-Syl Const. Co., Inc.	Gr. & P.M.S.	$377,334	$21,672	$399,006
6V41	Kern	4, 140	B, C, B	Bet. Grapevine & Switzers & Bet. Mi. 6.74 & Rte. 4	29.8	7/12/48	Day Labor	Stripe & Shldrs.	11,436	----------	11,436
0-6VC36	Kern	4	B, C	Bet. Grapevine Sta. & Switzers	19.1	6/22/49	Griffith Co.	P.M.S. Borders	36,225	2,732	38,957
6VC5	Kern	4	C, Bkd	Bet. Brundage Lane & 24th St.	1.9	4/25/46	Griffith Co.	Gr., P.C.C. & A.C.	435,612	48,101	483,713
6VC11-FP	Kern	4	C, Bkd	Bet. Brundage Lane & 21st St.	-----	10/23/46	Oilfield Electric Co.	Signals	42,581	4,971	47,552
0-6VC20	Kern	4	C	Bet. Hoskins Rd. & Brundage Lane	5.1	5/19/48	Griffith Co.	Gr., P.C.C. on C.T.S. & P.M.S. on C.R.B.	753,677	67,383	821,060
0-6VC24	Kern	4	C	At S. Chester Ave. & Strader Gr. Xing	-----	6/28/48	L. H. Leonardi Elec. Const. Co.	Signals & Lights	11,189	1,168	12,357
1-6VC42	Kern	4	C	Bet. 0.6 Mi. S. of McKittrick Rd. & Hoskins Rd.	5.6	5/ 5/50	N. M. Ball Sons	Gr. & P.C.C.	827,502	83,695	911,197
1-6VC44	Kern	4	C	At Panama Rd. & Houghton Rd.	-----	5/24/50	Clinton Elc. Corp.	Signals & Lights	14,729	1,607	16,336
6VC7	Kern	4	D, E	Bet. Standard Oil Tank Farm & Cawelo	-----	5/ 8/46	Geo. Von Kleinsmid	Barrier Posts	7,028	2,800	9,828
0-6VC28	Kern	4	D, E	Bet. Snow Rd. & Cawelo	4.2	8/ 5/48	C. J. B. Const. Co.	Con. Barrier Posts	11,770	1,369	13,139
1-6VC30	Kern	4	D, E	Bet. Snow Rd. & Cawelo	7.6	4/ 1/49	Peter Kiewit Sons' Co.	Resurf. with P.M.S.	107,858	9,919	117,777
53-6VC12	Kern	4	D, E	Bet. Snow Rd. & Cawelo	7.4	6/18/53	Hermreck & Easter, Contractors	Gr., P.M.S. on U.R.B. on Xovers. Connections & Frontage Rds., Fences	158,381	24,500	182,881
54-6VC5	Kern	4	D, E	Bet. Snow Rd. & Cawelo	-----	8/24/53	A - C Electric Co.	Lights	7,775	2,000	9,775
6VC10-F	Kern	4	E	Bet. Cawelo & Famoso Underpass	6.7	10/17/46	Griffith Co.	Gr. & P.C.C.	517,023	53,332	570,355
6VC18	Kern	4	E	Bet. Cawelo & Famoso Underpass	6.4	4/19/48	E. G. Perham	Barrier Posts	20,552	2,827	23,379
1-6VC45-F	Kern	4	E, F	Bet. Famoso UP. & McFarland	5.8	6/22/50	Griffith Co.	Gr., P.C.C., R.C. Br. & Cattle Pass	702,699	92,432	795,131
6VC8	Kern	4	F, Dln	Bet. Famoso & Cecil Ave. in Delano	10.4	5/28/46	Griffith Co.	Repair with P.M.S.	93,215	8,478	101,693
52-6VC5	Kern	4	F	Bet. McFarland & Delano UP.	5.5	12/ 6/51	Griffith Co.	Gr., P.C.C. & P.M.S.	792,717	94,212	886,929
52-6VC6	Kern	4	F	At Intrs. State Rte. 4 with Sherwood Ave., Kern Ave. & Perkins Ave. in McFarland	-----	1/18/52	Howard Elc. Co.	Signals & Lights	25,214	2,947	28,161
6VC25	Kern	4	G, D	Bet. Minkler UP. & Snow Rd.	1.4	6/28/48	Dicco, Inc. & Dix-Syl Const. Co., Inc.	Resurf. with P.M.S.	14,324	1,178	15,502
53-6VC7	Ker, Tul	4	G, E, B, F, E	Bet. Bakersfield & Fresno Co. Line	-----	8/29/52	Calif. Wire Cloth Corp.	R/W Fence	27,163	3,962	31,125

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
6VC13-FP	Kern	4, 141	Bkd, G, D, A	Bet. Bakersfield & Snow Rd. & Bet. Calloway Canal & Rte. 4	3.6	6/ 9/47	Griffith Co.	Gr., P.C.C., P.M.S., 4 R.C. & 2 Stl. Brs.	$1,279,492	$125,707	$1,405,199
1-6VC37	Kern	4	Bkd	Bet. 23d St. & H St. N. of Garces Circle	1.0	8/10/49	Griffith Co.	Gr. & P.C.C.	332,576	35,595	368,171
1-6VC40	Kern	4	Bkd	Bet 21st St. & H St.	-----	10/ 4/49	Ets-Hokin & Galvan	Signals & Lights	42,207	3,252	45,459
52-6VC1	Kern	4	Dln	Bet. Jct. of Rte. 136 & Tulare Co. Line	1.0	4/ 2/51	Griffith Co.	P.M.S.	22,548	3,023	25,571
51-6VC12-P	Kern	4	Dln	At 11th Ave. in Delano	-----	4/13/51	Fischbach & Moore, Inc.	Signals & Lights	13,450	916	14,366
0-9VC16	Kern	23	A	In Mojave	-----	2/21/49	G & H Paving Co.	Railing	6,421	1,268	7,689
51-9VC6	Kern	23	A, C, D	Bet. Los Angeles Co. Line & Freeman Jct.	23.2	5/17/50	G. W. Ellis Const. Co.	P.M.S. & Sl. Ct.	143,714	13,627	157,341
1-9VC21	Kern	23	B	Bet. Mojave & 0.8 Mi. N.	0.8	6/ 2/49	Davis & Swartz	Gr. & R.M.S. on I.B.M.	37,809	8,332	46,141
0-9VC13	Kern	23	C	Bet. Ittners & Ricardo	2.4	5/12/48	Westbrook & Pope	Gr. & Sl. Ct.	38,198	5,867	44,065
0-9VC17	Kern	23	C	Bet. Ittners & Ricardo	0.4	3/ 2/49	Peterson Const. Co.	Embankment Protection	20,219	3,108	23,327
9VC4-F	Kern	23	D	Across Freeman Gulch	-----	2/19/46	E. W. Elliott Const. Co.	Stl. Br. & Apps.	77,962	14,815	92,777
9VC6-F	Ker, Iny	23	E, G	Bet. Indian Wells & Little Lake	2.7	4/21/47	Basich Bros. Const. Co. & Basich Bros.	Gr., P.M.S. & Stl. Br.	203,937	19,477	223,414
6X14	Kern	33	B	Bet. Blackwells Corner & Harts Sta.	-----	3/21/46	Day Labor	Restore Borders	16,996	25	17,021
6XC7	Kern	33	C	Bet. Lost Hills & Wasco	4.7	4/ 8/46	Oilfields Trucking Co. & Phoenix Const. Co.	Widen Shldrs.	25,813	4,198	30,011
6XC8	Kern	33	C	Bet. 8.7 Mi. & 2.0 Mi. W. of Wasco	6.7	6/25/46	Griffith Co.	Repair with P.M.S. & Sl. Ct.	54,324	7,000	61,324
6XC13-P	Ker, Tul	33, 4	D, A	See Tulare County							
6X21	Kern	57	A	Bet. South Boundary & Mariposa	2.4	3/20/47	Day Labor	Resurf.	17,233	250	17,483
53-6VC3	Kern	57	A	Bet. 4.4 Mi. E'ly of San Luis Obispo Co. Line & 5.6 Mi. W. of Mariposa	1.6	7/18/52	Hermreck & Easter	Gr. & R.M.S. on C.T.B.	159,600	19,500	179,100
51-6VC1	Kern	57	B	Bet. 6 Mi. & 2 Mi. W. of San Emidio Rd.	4.0	4/ 1/50	Rand Const. Co., Inc.	R.M.S. on U.R.B.	33,555	5,551	39,106
55-6VC5	Ker, Tul	57,138, 132	B, C, Mcp;Mcp; Vis	Various	11.7	5/ 4/54	Griffith Co.	P.M.S.	65,355	5,000	70,355
6X25	Kern	57	C	Across Tecuya Cr.	-----	5/ 1/47	Day Labor	Multi Plate Arch Culv.	9,798	152	9,950

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
6XC15	Kern	57	E	Bet. 0.4 Mi. W. of Cottonwood Cr. & Cottonwood Cr.	0.4	6/17/47	James E. Anderson	Scarify & Suboil	$3,685	$700	$4,385
52-6VC3	Kern	57	E	In E. Bakersfield, at Intrs. of Niles St. & Mt. Vernon Ave.	-----	9/25/51	Westates Elc. Const. Co.	Signals & Lights	13,223	1,887	15,110
51-6BC1-F	Kern	57	F, G	Bet. S. Boundary Sequoia Nat'l Forest & 2.5 Mi. SW. of Democrat Springs	5.3	6/23/51	Norman I. Fadel	Gr. & B. S. T.	123,794	----------	123,794
52-6V11	Kern	57	F, G	Bet. Kern Riv. Canyon & Democrat Springs	-----	5/29/52	Day Labor	Guide Posts	6,597	----------	6,597
51-6VC6	Kern	57	H	Bet. Democrat Springs & Bodfish	15.5	10/23/50	Dimmitt & Taylor and T. M. Page	Widen, B.S.T. & R.C. Br.	387,653	60,561	448,214
6VC16-Y	Kern	57	I	Bet. 2 Mi. S. of Isabella & Isabella	2.0	3/11/48	Munn & Perkins & Matthew & Jorgenson	Gr., B.S.T. & Stl. Br.	147,089	20,068	167,157
6V40	Kern	57	I	Across Bodfish Cr.	-----	7/ 1/48	Day Labor	R.C. Culv.	9,985	138	10,123
52-6VC4-Y	Kern	57	I	Bet. 0.5 Mi. S. of Isabella & 3.0 Mi. W. of Weldon	8.0	11/13/51	Ball & Simpson	Gr. & B.S.T. on I.B.M.	776,923	67,212	844,135
52-9VC4	Kern	57	J	Bet. Weldon & Bloomfield Ranch (Pors.)	4.0	4/25/51	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Gr., B.S.T. & R.M.S.	29,321	5,968	35,289
0-14VC63	Kern	57	K	Across Canebrake Cr.	-----	8/18/48	Bishop Engr. & Const. Co.	R.C. Br. & Apps.	15,633	3,771	19,404
1-9VC26	Kern	57	K	Bet. Chimney Cr. & Walker Pass (Pors.)	5.7	10/ 4/49	Miles & Bailey	Gr., B.S.T. & R.M.S.	46,386	9,142	55,528
6VC21-P	Kern	57	Bkd	Intrs. of Niles & Baker Sts.	-----	5/20/48	Tri-Cities Elec. Service	Signals	3,644	337	3,981
1-6VVC3-P	Kern	57, 58	Bkd	At Intrs. Baker & Summer Sts.	-----	12/ 2/49	Westates, Elcl. Const. Co.	Signals	8,916	1,016	9,932
9VC5-F	Kern	58	A	Bet. 12 Mi. E. of Mojave & Muroc Jct.	5.0	1/28/47	Basich Bros. Const. Co. & Basich Bros.	Gr. & P.M.S.	148,886	14,414	163,300
53-9V13	Kern	58	A	Bet. 0.8 Mi. & 4.3 Mi. E. of Mojave	3.5	4/15/53	Day Labor	Sl. Ct.	5,305	----------	5,305
0-9VC15	Kern	58	A, B	Bet. Mojave & SBd. Co. Line	11.5	8/23/48	Oilfields Trucking Co. & Phoenix Const. Co.	Gr. & P.M.S.	149,695	17,245	166,940
0-9VC23	Kern	58	A, B	Bet. Mojave & SBd. Co. Line	11.5	6/25/49	G & H Paving Co.	Seal Coat	14,766	1,059	15,825
53-9VC3	Kern	58	A	Bet. 0.8 Mi. & 4.3 Mi. E. of Mojave	3.5	5/16/52	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Gr. & P.M.S.	162,766	25,480	188,246
9VC8	Kern	58	B	Bet. Muroc Jct. & 6.5 Mi. E.	6.5	5/ 7/47	Basich Bros. Const. Co. & Basich Bros.	Repair with R.M.S.	31,114	1,907	33,021
55-6VC3	Kern	58	Bkd	Bet. 24th St. & I St. (Pors.)	0.5	4/ 1/54	Griffith Co.	Resurf. with P.M.S.	8,925	1,764	10,689

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-6VC4	Kern	58	C	Bet. E.C.L. of Bakersfield & 1.4 Mi. E. of Rte. 143	4.9	7/23/52	Griffith Co.	C.M.P. Culvs. & P.M.S.	$70,851	$8,369	$79,220
14VC39	Kern	58	D	Across Walker Basin Cr. & Caliente Cr.	-----	11/20/47	N. M. Saliba Co.	Redeck 3 Timber Brs.	26,720	2,408	29,128
52-6VC2	Kern	58	D	Bet. 4.4 Mi. E. of Sivert & 2 Mi. W. of Bear Mountain Ranch	7.1	4/ 2/51	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	P.M.S.	151,808	19,008	170,816
54-6VC3	Kern	58	D	Abt. 1 Mi. W. of Jct. of Rte. 58 with Rte. 140	-----	8/ 5/53	D. E. Higday	Reconst. Cattle Pass	6,939	1,000	7,939
54-6VC2	Kern	58	D, E	Bet. Sand Cut near Sivert & Cable (Pors.)	7.8	6/ 1/53	Griffith Co.	P.M.S. on C.T.B.	193,906	22,000	215,906
6XC11-F	Kern	58	E, F, Thpi	Bet. Keene & Tehachapi	10.2	12/31/46	Guy F. Atkinson Co.	Gr., B.S.T. & Stl. & Con. Brs.	1,142,467	89,173	1,231,640
14XC23-F	Kern	58	E, F	Bet. Keene & Tehachapi	-----	8/15/47	Guy F. Atkinson Co.	Superstrs. 2 Stl. Brs.	396,645	17,248	413,893
53-6VC5	Kern	58	E, F	Bet. Bear Mountain Ranch & W. End Tehachapi OH.	10.8	8/ 6/52	Griffith Co.	P.M.S. on C.T.B.	283,339	33,600	316,939
0-6VC29	Kern	58	F	¼ Mi. E. of Tehachapi	0.2	9/ 8/48	Oilfields Trucking Co. & Phoenix Const. Co.	Gr., B.S.T. & R.C. Culv.	17,353	2,472	19,825
14XC8	Kern	58	G	Across Cache Cr. & Los Angeles Aqueduct	-----	12/11/45	E. W. Elliott Const. Co.	Stl. & R.C. Brs.	90,355	11,862	102,217
9XC2-F	Kern	58	G	Bet. Cameron & Mojave	7.2	12/12/45	Gunner Corporation	Gr. & P.M.S.	215,927	33,261	249,188
6VC19	Kern	58	G	½ Mi. E. of Monolith	0.2	4/19/48	Oilfields Trucking Co. & Phoenix Const. Co.	Gr., B.S.T. & P.M.S.	18,698	3,000	21,698
14VC40	Kern	58	K	Across Main Drainage Canal	-----	12/11/47	E. G. Perham	R.C. Br.	22,452	4,186	26,638
1-14VC81	Kern	58	K	Across Jerry Slough	-----	4/ 1/49	W. E. Thomas Const. Co.	R.C. Br. & 2 Culvs.	13,279	5,025	18,304
52-14VC5	Kern	58	K	Across E. Side Canal, 0.8 Mi. E. of Buttonwillow	-----	9/25/51	Thomas Const. Co.	R.C. Br. & P.M.S. on U.R.B. on Apps.	22,472	3,572	26,044
54-6VC6	Kern	58	K	At Goose Lake Slough & Overflow, abt. 21 Mi. W. of Bakersfield	0.6	9/28/53	Griffith Co.	Gr., P.M.S. on C.T.B. & 2 R.C. Culvs.	54,355	12,000	66,355
6XC16	Kern	58	L	On Oak St. at Bakersfield	-----	6/30/47	Rexroth & Rexroth	Remove Girder Br.	12,220	462	12,682
6XC9-F	Kern	129	A	Bet. Rte. 4 & 5 Mi. N.	5.1	10/14/46	Geo. E. France	Gr. & R.M.S.	159,498	26,848	186,446
6XC10-F	Ker, Tul	129	A, B, A	Bet. Poso Cr. & Ducor	18.3	12/23/46	Rand Const. Co.	Gr. & B.S.T.	295,302	40,309	335,611
14VC57	Kern	129	A	Across Poso Cr.	-----	6/15/49	F. Fredenburg	R.C. Br.	47,378	3,437	50,815
0-6VC23	Ker, Tul	129	A, B, A	Bet. Poso Cr. & Ducor	23.9	6/23/48	Clyde W. Wood, Inc.	Seal Coat	22,017	2,527	24,544

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
55-6VC1	Kern	138	A, B	Bet. 0.5 Mi. NW. of Taft & 1.5 Mi. S. of McKittrick	12.8	4/ 1/54	Griffith Co.	C.M. Br. Rail & Resurf. with P.M.S.	$169,725	$12,000	$181,725
0-14VC62	Kern	139, 140	A, A	Across Kern Riv. & Buena Vista Cr.	-----	8/ 3/48	Thomas Const. Co.	Culv. & Redeck Br.	26,491	4,397	30,888
51-14BC1-F	Kern	139	A	Across Goose Lake Slough	-----	5/ 9/51	Tumblin Co.	R.C. Br. & Apps.	48,013	----------	48,013
0-6VC26	Kern	140	C	Bet. Derby St. & W. of Meyer St.	0.6	8/ 3/48	Griffith Co.	B.S.T.	35,494	3,868	39,362
54-6VC1	Kern	140	C	Bet. Weed Patch & Arvin	7.2	5/18/53	Dicco, Inc.	Widen, P.M.S. & C.T.B.	98,355	9,835	108,190
54-6VC10	Kern	140	C	At Eastside Canal Bet. Weed Patch & Arvin	-----	12/11/53	Wm. H. Schallock	Widen R.C. Culv.	7,353	1,500	8,853
1-6VC34	Kern	140	D	Across Hill Cr.	-----	5/ 6/49	Anderson Co.	Cattle Pass	5,400	1,190	6,590
51-6VC11	Kern	141	A	On Brundage Lane at Central Branch Canal & at Kern Island Canal	-----	12/15/50	E. G. Perham	Extend 2 R.C. Culvs.	26,122	3,124	29,246
1-6VMC2-P	Kern	141	Bkd	At. Brundage Lane & S. Chester Ave.	-----	9/16/49	Westates Elcl. Const. Co.	Signals & Lights	10,466	----------	10,466
1-6VC32	Kern	142	A	Across Cow Cr.	0.1	4/ 1/49	Thomas Const. Co.	R.C. Culv. & Apps.	8,296	1,717	10,013
1-6VVC2	Kern	142	A	Ints. Rte. 142 & Roberts Lane (Oildale)	-----	7/27/49	Clinton Elc. Corp.	Signals & Lights	11,000	1,590	12,590
0-14VC61	Kern	142	B	Across Granite Canyon	-----	7/17/48	Anderson Co.	R.C. Br. & Apps.	43,313	7,242	50,555
51-6VC4	Kern	142	C	Across Howling Gulch	0.1	10/ 5/50	Rand Const. Co., Inc.	Replace Br. with Met. Pl. Arch Culv.	6,173	1,200	7,373
51-6VC2-Y	Kern	142	F	Bet. Isabella Dam Site & Rte. 57	1.9	7/26/50	Dix-Syl Const. Co., Inc.	Gr., B.S.T. on I.B.M., & R.C. & Stl. Br.	227,761	43,242	271,003
51-6VC13-Y	Kern	142	F	Bet. 4.5 Mi. NW. of Isabella & Isabella Dam Site	4.6	6/30/51	Hess Const. Co., Inc.	Gr., I.B.M., B.S.T. & R.C. & Stl. Br.	773,542	70,653	844,195
1-6VVC5-P	Kern	142	Bkd, A	At 34th St.	-----	5/22/50	L. H. Leonardi Elec. Const. Co.	Signals & Lights	12,717	1,573	14,290
1-9VC25	Kern	145	A	Bet. Randsburg Rd. & Searles Sta. Rd.	2.3	8/ 2/49	Clyde C. Wood, Inc.	Gr. & R.M.S.	33,348	5,696	39,044
51-9VC4	Kern	145	A, B	Bet. Searles Rd. & Rademacher	3.3	5/11/50	E. C. Young & Co.	Gr., R.M.S. on I.B.M. & Sl. Ct.	33,237	7,408	40,645
52-9VC7	Kern	145	A	Bet. 1.7 Mi. & 7.2 Mi. N. of Randsburg Jct.	4.9	7/24/51	E. C. Young	Gr. & R.M.S. on I.B.	75,739	12,956	88,695
54-9VC8	Kern	145	B	Bet. Rademacher & Ridgecrest Rd.	3.3	3/30/54	Bishop Engin. & Const. Co.	B.S.T. Shldrs.	6,495	649	7,144

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-9VC18	Kern	212	A	Bet. Naval Ord. Sta. & SBd. Co. Line	4.0	4/23/49	Rand Const. Co., Inc.	R.M.S.	$22,788	$4,126	$26,914
51-6DC6-P	Kern	FAS 574		Bet. David Rd. & Wheeler Ridge	6.9	1/11/51	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	P.M.S.	88,467	3,297	91,764
53-6DC1	Kern	FAS 574		Wheeler Ridge Rd. Bet. David Rd. & S. H. Rte. 140	10.0	8/12/52	Madonna Const. Co.	Gr., R.M.S. on C.T.B.	271,174	29,200	300,374
14DC18	Kern	FAS 575		Across Kern Riv.		5/28/47	O. B. Pierson	R.C. Br.	82,089	1,087	83,176
6DC22	Kern	FAS 575		Bet. Union Ave. & Fairfax Rd.	4.0	2/23/50	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Gr., I.B., U.R.B., B.S.T. & P.M.S.	134,614	19,672	154,286
54-6DC2	Kern	FAS 575		On Stockade Rd. Bet. Oak St. & Allen Rd.	6.1	10/20/53	Griffith Co.	Gr. & P.M.S. on C.T.B.	127,879	13,987	141,866
51-14DC2-P	Kern	FAS 881		Across Beardsley Canal & at Beardsley School		11/ 8/50	Griffith Co.	R.C. Br. & R.C. Ped. U.C.	40,593	4,265	44,858
52-6DC4-P	Kern	FAS 881		On Airport Ave. Bet.Rte. 4 & Norris Rd.	1.2	8/ 9/51	Griffith Co.	Gr., P.M.S. on U.R.B. & Stl. UP	417,990	70,468	488,458
6DC2	Kern	FAS 884		On Comanche Dr., Bet. State Hwy. Rte. 58 & 3.3 Mi. S'ly.	3.3	5/ 1/47	Rexroth & Rexroth	Gr. & B.S.T.	34,962	1,008	35,970
14DC75-P	Kern	FAS 886		Across Kern Riv. at Gordon's Ferry		11/10/50	Madonna Const. Co.	R.C. Br.	78,027	5,381	83,408
6DC15	Kern	FAS 887		Bet. Rte. 142 to Rte. 4	2.8	10/28/48	Griffith Co.	Gr., P.M.S. & B.S.T.	157,447	18,213	175,660
6DC4	Kern	FAS 889		Bet. Wasco & Elmo Hwy.	6.1	6/ 4/47	Rand Const. Co.	Gr. & B.S.T.	156,195	7,112	163,307
6DC14	Kern	FAS 889		Bet. Elmo Hwy. & Tulare Co. Line	7.2	9/24/48	Louis Biasotti & Son	Gr. & B.S.T.	150,509	8,791	159,300
6DC10	Kern	FAS 895		Bet. Rte. 33 & Lerdo Hwy.	8.4	5/27/48	Geo. E. France, Inc.	Gr., Pen. Tr. & I.B.	224,230	7,774	231,504
52-6DC1	Kern	FAS 895		On Main Drain Rd., Bet. Lerdo Hwy. & Bakersfield-McKittrick Hwy.	9.4	7/19/51	Covina Const. Co.	Gr. & Pen. Tr.	295,755	32,878	328,633
52-6DC6	Kern	FAS 1161, 575		On Allen Rd. & Santa Fe Way, Bet. Rosedale Ave. & State Rte. 139	10.3	2/27/52	Madonna Const. Co.	Gr. & R.M.S. & B.S.T. on I.B.M	334,767	42,881	377,648

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
	Kern			Various Locations				Minor Contrs. & D.L. Projs.	$141,971		$141,971
54-6TTC2	Kings	10	C	Intrs. with Lacey Blvd. abt. 5 Mi. W. of Hanford	0.1	5/14/54	Stewart & Nuss, Inc.	Chnlz. & P.M.S.	3,704	$730	4,434
1-6TTC1	Kings	10, 135	Han, A, A	Jct. Rte. 10 & 135 at E.C.L. of Hanford		2/10/50	Westates Elec. Const. Co.	Signals & Lights	9,349	1,076	10,425
1-6TC17	Kings	125	C	Bet. Kettleman City & 5th Standard Parallel	5.3	5/ 6/49	Gene Richards	Gr., I.B. & B.S.T.	92,337	31,299	123,636
51-6TC1	Kings	125	C	Bet. 0.2 & 5.2 Mi. N. of Kettleman City	5.0	4/ 1/50	Westbrook & Pope	Gr., B.S.T. on I.B. & I.B.M. & Sl. Ct.	104,876	17,452	122,328
6WC4	Kings	125	D	Bet. Fifth Std. Parallel & 1.5 Mi. N.	1.5	1/21/46	W. C. Railing	Gr. & R.M.S.	65,617	10,509	76,126
0-6TC14	Kings	125	D	Bet. Stratford & 1.8 Mi. N.	1.9	7/27/48	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Gr., R.M.S. & R.C. Br.	193,477	41,900	235,377
53-6TC1	Kings	134	A	Bet. E.C.L. of Corcoran & A.T. & S.F. Crossing (Tulare Branch)	2.6	5/15/52	Griffith Co.	Resurf. with P.M.S. & Widen 2 Con. Brs.	48,888	7,900	56,788
53-6T12	Kings	135	A, B	Bet. Rte. 10 & Corcoran	15.5	11/14/52	Day Labor	Surfacing	21,997		21,997
52-6TC7-P	Kin, Tul	135	B, A	Bet. 1 Mi. N. of Corcoran & 0.7 Mi. S. of Kings-Tulare Co. Line	4.2	4/24/52	Baun Const. Co.	Gr. & P.M.S.	383,549	39,923	423,472
52-6TC9-P	Kin, Tul	135	B, A	Bet. 1 Mi. N. of Corcoran & 0.7 Mi. S. of Tulare Co. Line		5/12/52	R. O. Ferguson Co.	Lights	9,546	1,214	10,760
54-6TC8	Kings	135	B	Bet. Kansas Ave. & 1 Mi. N. of Corcoran	7.2	8/19/53	Oilfields Trucking Co.	Gr. & R.C. Br.	259,256	38,160	297,416
6DC13	Kings	FAS 568		Bet. Kings Riv. & Fresno Co. Line	0.7	8/19/48	Anderson Co.	P.M.S. on I.B. & C.R.B.	40,526	809	41,335
51-6DC4-P	Kings	FAS 568, 623, 820		On 10th Ave. Bet. 7th St. & Grangeville Bldg. & on Laton Hwy. Bet. Last Chance Ditch & Kings Riv.	2.9	12/ 9/50	Ted F. Baun	Gr. & P.M.S.	89,699	2,347	92,046
51-14DC6-P	Kings	FAS 568		Across Kings Riv.		12/22/50	Chas. S. Moore & Robert R. Murdock	R.C. Br.	65,311	688	65,999
14DC12	Kin, Fre	FAS 623		Across Kings Riv. near Hardwick		5/ 1/47	Klay Bennett Const. Co.	R.C. Br.	129,033	1,980	131,013

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-14DC6-P	Kin, Fre	FAS 820, 940, 568		See Fresno County							
54-6DC4-P	Kings	FAS 889		Bet. 0.25 Mi. S. of Flint Ave. & State Hwy. Rte. 10, abt. 2 Mi. E. of Hanford	3.8	11/25/53	Volpa Bros.	Gr. & I.B.M.	$69,130	$4,962	$74,092
14DC73-P	Kings	FAS 940		Across Kings Riv. abt. 16 Mi. NW. of Hanford		6/28/50	W. E. Thomas Const. Co.	R.C. Br.	33,147	653	33,800
6DC7	Kings	FAS 943		Bet. Corcoran & 5.3 Mi. S.	5.3	11/13/47	C. M. Syar	Gr., C.R.B. & P.M.S.	137,055	5,457	142,512
53-14DC2	Kings	FAS 943, 945		Across Tule Riv. & Kings Riv. Abt. 20 Mi. S. & 8 Mi. N. of Hanford		11/14/52	Thomas Const. Co.	2 R.C. Brs.	66,941	1,598	68,539
	Kings			Various Locations				Minor Contrs. & D.L. Projs.	26,796		26,796
51-1TC6	Lake	15	A	Bet. 0.4 Mi. W. & 0.7 Mi. E. of Tule Lake	1.4	4/19/50	M. W. Brown	Gr. & R.M.S. on C.T.B.	199,397	37,544	236,941
0-14TC43	Lake	15	B	2.6 Mi. E. of Upper Lake		5/27/48	C. C. Gildersleeve	R.C. Cattlepass	5,880	734	6,614
53-1TC1	Lake	15	B	Across Lucerne Cr. & Deer Cr., Abt. 8.5 Mi. & 9 Mi. E. of Upper Lake		4/ 1/52	A. A. Edmondson	2 R.C. Culvs.	22,142	3,834	25,976
54-1TTC2	Lake	15	B	At Elliott Cr. Abt. 1.4 Mi. W. of Lucerne	0.1	4/ 9/54	Arthur B. Siri, Inc.	Gr., P.M.S. & C.M.P. Culv.	4,010	759	4,769
53-1T19	Lak, Men	16, 1, 48, 56	A; L; A, B; A, B, C, D, E, F	See Mendocino County							
1WLC6	Lak, Nap	49	A, A	See Napa County							
54-14TC9	Lake	49	A	Across Putah Cr. Abt. 4 Mi. NE. of Middletown		4/ 8/53	Victor Weidmer	R.C. Br. & Apps.	173,232	17,000	*190,232
1TC21	Lake	49	B	Across Coyote Cr. Abt. 6 Mi. N. of Middletown	0.5	3/ 2/48	Harold Smith	Gr., I.B.M., Sl. Ct. & R.C. Br.	63,385	10,763	74,148
1-1TC32	Lake	49	B	Bet. 1.3 & 5.9 Mi. N. of Putah Cr.	1.4	4/ 1/49	Chittenden & Chittenden	Gr., I.B.M. & Sl. Ct.	131,965	20,158	152,123
53-1TC3-FP	Lake	49	B, C	Bet. 0.4 Mi. S. of Lower Lake & 0.3 Mi. N. of Cache Cr.	1.7	5/12/52	Arthur B. Siri, Inc.	Gr., Base & Sl. Ct.	187,478	21,358	208,836
1W28	Lake	49	C	Across Burns Valley & Molesworth Crs.		9/19/46	Day Labor	Replace Timber Brs.	7,871	38	7,909
14TC41	Lake	49	C	Across Burns Valley Cr.		4/21/48	C. C. Gildersleeve	Repair Timber Br.	4,893	787	5,680
52-14TC9-F	Lake	49	C	Across Siegler & Cache Crs.		6/28/51	Tumblin Co.	R.C. Brs. & Apps.	133,970	16,192	150,162

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14WLC49	Lake	89	B, C	Across Kelsey Cr. at Cobb	-----	4/24/47	Arthur B. Siri	Con. Br. & Apps	$33,838	$4,454	$38,292
1T64	Lake	89	B, C, D	Bet. Middletown & Kelsey	-----	7/ 1/48	Day Labor	Gr. & Surf.	52,610	8,368	60,978
1-1TC38	Lake	89	B	Bet. 5.4 & 6.0 Mi. N. of Middletown	0.6	7/ 7/49	Arthur B. Siri, Inc.	Gr. & P.M.S.	54,121	9,215	63,336
52-1TC6	Lake	89	B	Bet. 5.2 Mi. & 5.5 Mi. N. of Middletown	0.3	8/23/51	Arthur B. Siri, Inc.	Gr. & R.M.S. on I.B.M.	37,319	6,937	44,256
53-14TC14	Lake	89	B	Across Dry Cr. & Dry Cr. Overflow, 0.5 Mi. W. of Jct. Rtes. 89 & 49 in Middletown	0.3	7/ 9/52	Harold Smith	2 R.C. Brs., Gr., R.M.S. on C.T.B. & Sl. Apps.	85,567	11,500	97,067
14WLC36-F	Lake	89	D	Across Kelsey Cr. at Kelseyville	-----	7/19/46	A. Soda & Son	Stl. Br. & Apps.	210,083	16,986	227,069
54-1TC13	Lake	89	D	At Finley Turn & Cole Cr. Abt. 4.2 Mi. & 3 Mi. S. of Lakeport	0.1	11/24/53	J. Henry Harris	2 R.C. Brs. & Apps.	24,565	2,456	27,021
1WC10	Lake	89	E	Bet. 1.2 Mi. N. of Rodman Narrows & Rte. 15	2.0	3/26/46	Louis Biasotti & Son	Gr. & P.M.S.	155,489	23,540	179,029
14WLC30-P	Lake	89	E	Across Robinson Cr. & Scott Cr.	-----	5/ 7/46	Kiss Crane Co.	Con. Br., Stl. Br.	144,290	14,687	158,977
1DC5	Lake	FAS 1039	----------	Bet. Rte. 89 & 1 Mi. W. of Lower Lake	5.1	8/13/47	Morrison-Knudson Co.	Gr., I.B. & Sl. Ct.	115,477	15,607	131,084
1DC6	Lake	FAS 1039	----------	Bet. 1.0 Mi. & 2.1 Mi. E. of Rte. 89	1.1	11/29/47	George Stout	Gr., I.B. & Sl. Ct.	29,978	3,377	33,355
52-1DC1-P	Lake	FAS 1039	----------	Bet. 7.0 Mi. & 3.5 Mi. W. of Lower Lake	3.5	7/17/51	Harold Hastings	Gr. & Drainage Facilities	20,351	2,860	23,211
----------	Lake	-------	----------	Various Locations	-----	----------	----------	Minor Contrs. & D.L. Projs.	29,847	----------	29,847
53-2TC1	Las, Plu	21	A, G	See Plumas County							
2TC8	Las, Sha	28	A, B, E	See Shasta County							
2T46	Lassen	28	B	Bet. Bieber & Modoc Co. Line	3.2	6/ 3/47	Day Labor	P.M.S.	12,391	76	12,467
2TC20	Las, Plu	29	A, A	See Plumas County							
0-2TC24	Lassen	29	B	Bet. Fredonyer Pass & Susan Riv.	6.3	4/ 9/48	Sheldon Oil Co.	P.M.S. on C.R.B.	86,358	7,646	94,004
2WLC1	Lassen	29	C	At Baxter Cr., N. of Janesville	1.1	8/21/47	Fredrickson & Watson Const. Co.	Gr., R.M.S. on C.T.B. & Con. Br.	101,747	9,629	111,376
2WC4	Lassen	29	D	Bet. 1.5 Mi. W. of Bird Flat & Doyle	7.5	1/17/46	The Utah Const. Co.	Gr. & P.M.S.	237,117	26,413	263,530
2WC6	Lassen	29	D	Bet. 2 Mi. N. of Milford & Bird Flat	12.4	4/ 9/47	Clements & Co.	P.M.S. & Shldrs.	130,162	12,387	142,549

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-2T15	Las, Sie	29	E, A	Bet. Jct. Rte. 21 & Nevada State Line	8.0	6/24/52	Day Labor	Surf.	$35,487	$948	$36,435
54-2TC4	Lassen	29	Susv	In city of Susanville on Main St. Bet. Pine & Pacific Sts.		7/30/53	Wm. S. & Bruce F. Rogers Co.	Reconst. Curbs & Gutters	24,574	2,457	27,031
52-2TC1	Lassen	73, 29	A, E	Near Standish & Bet. Doyle & Constantia		4/ 2/51	Harms Bros.	Replace 6 Brs. with R.C. Culvs. & 2 Cattlepasses with C.M.P. Culvs.	61,191	9,265	70,456
53-14TC36	Lassen	73	A	Across Susan Riv. Abt. 0.5 Mi. W. of Litchfield		5/27/53	B. S. McElderry	R. C. Br. & Apps.	55,873	5,580	61,453
2WC5	Lassen	73	B	Bet. Viewland & Secret Valley	13.8	4/16/46	E. B. Bishop	Gravel Base & P.M.S.	122,258	9,615	131,873
2T74	Lassen	73	D	Bet. Litchfield & Ravendale	3.0	12/14/48	Day Labor	Gr. & P.M.S.	53,929		53,929
52-2TC3-F	Lassen	73	D	Bet. 4.5 & 6.5 Mi. N. of Secret Valley	2.1	1/15/52	A. Teichert & Son, Inc.	Gr. & R.M.S. on U.R.B.	314,748	38,000	352,748
2W37	Lassen	73	E, F, G	Bet. Horse Lake Rd. & Modoc Co. Line	5.2	12/10/46	Day Labor	Resurface	31,934	560	32,494
2WC2	Las, Mod	73, 28 210	Var	Bet. Horse Lake Rd. & Lakeview Jct. & Bet. Alturas & Stronghold	60.0	4/20/45	A. A. Tieslau & Son	P.M. B.M. & Sl. Ct.	134,589	9,622	144,211
2DC7	Lassen	FAS 988		Bet. Susanville & N. of Willow Cr. Valley	17.6	7/21/47	A. Teichert & Son, Inc.	Gr. & R.M.S.	301,799	31,415	333,214
2DC9-P	Las, Mod	FAS 988		Bet. Hayden Hill Rd. & Rte. 28	13.1	7/27/48	Harms Bros. & M. W. Brown	Gr., C.R.B. & Sl. Ct.	902,450	12,037	914,487
51-2DC1-P	Lassen	FAS 988		Bet. Grasshopper Valley Ranch & Hayden Hill Rd.	12.8	9/26/50	W. H. O'Hair Co.	Gr. & R.M.S.	314,126	53,086	367,212
51-2DC2-Y	Lassen	FAS 988		Bet. Slate Cr. & Grasshopper Valley Ranch	1.8	2/14/51	W. H. O'Hair Co.	Gr. & R.M.S. on Gravel Base	35,318	4,557	39,875
53-2DC3	Lassen	FAS 988		Bet. N.C.L. of Susanville & N. Side of Willow Cr. Valley (Por.)	13.3	6/23/53	Peter Kiewit Sons' Co.	P.M.S.	141,451	18,625	160,076
	Lassen			Various Locations				Minor Contracts & D.L. Projects	11,625		11,625

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-7VC89-F	Los Angeles	2	C	Through Malibu Jct.	3.2	8/25/48	Peter Kiewit Sons' Co.	Gr., P.M.S. & 3 R.C. Brs.	$644,498	$66,188	$710,686
1-7VC135-F	Los Angeles	2	C	Bet. 1.5 Mi. W. of Calabasas & 1.6 Mi. E. of Malibu Jct.	4.5	12/14/49	Basich Bros. Const Co. & Basich Bros.	Gr., P.M.S. on U.R.B. & R.C. Br.	800,175	94,561	894,736
54-7VC63	Los Angeles	2	C	At 5 Mi. W. of Calabasas & at 10 Mi. W. of Calabasas	-----	3/16/54	Ed Waters	Drainage	5,914	800	6,714
51-7VC13-F	L.A, Ven	2	C, A	Bet. 2 Mi. E. of Ventura Co. Line & 1 Mi. W. of Moorpark Rd.	7.1	8/30/50	Fredericksen & Kasler	Gr., I.S.M., U.R.B. & P.M.S.	849,868	92,155	942,023
7V181	L.A, Ven	2	C, A	Bet. E. of L.A-Ven. Co. Line & W. of Moorpark Dr.	7.1	1/10/52	Day Labor	Signs, Stripe & Markings	5,916	----------	5,916
54-7VC34	L.A, Ven	2, 60	C, Oxn	Intrs. of Ventura Blvd. with Lewis Rd. & Oxnard Blvd. with First St., Colonia Rd.; Deodar Ave. & Palm Dr.	-----	10/28/53	Electric & Machinery Service, Inc.	Signals, Lights & Chnlz.	18,621	1,600	20,221
53-7VC36	Los Angeles	2, 166	D, A	Santa Ana Frwy. Bet. Eastman Ave. & Todd Ave.	4.0	12/8/52	Justice-Dunn Co.	Roadside Development	97,005	12,500	109,500
7VC39	Los Angeles	2	D,Mtbl	Bet. Goodrich Blvd. & Concourse Ave.	-----	6/18/47	Econolite Corp.	Signals	32,370	1,321	33,691
7VC47	Los Angeles	2, 168	D, C	Various Locations	-----	10/24/47	Econolite Corp.	Signals and Lights	58,390	1,486	59,876
7VC509	Los Angeles	2	D,Wit	At Whittier Blvd., Painter Ave., & Redman Ave.	-----	11/26/47	Elc. & Mach. Serv. Inc.	Signals	31,621	1,210	32,831
54-7VC41	Los Angeles	2	D,Wit	Intrs. of Whittier Blvd. with Strub Ave., Ocean View Ave., Gunn Ave., Mills Ave. & Colima Rd.	-----	12/2/53	Westates Electrical Construction Co.	Signals, Lights & Chnlz.	43,121	1,600	44,721
1-7VVC16	Los Angeles	2, 77 166, 174	D, Alh, A, B	Various Locations	-----	10/15/49	Westates Elc. Const. Co.	Signals & Lights	21,290	1,950	23,240
51-7VC23-F	Los Angeles	2, 166	D, A	Bet. Eastman Ave. & 0.1 Mi. W'ly. of Atlantic Blvd.	1.1	11/27/50	Winston Bros. Co.	Gr., P.C.C. on C.T.S. & 2 R.C. OC's. & 1 R.C. Ped. UC.	1,117,057	120,000	1,237,057
51-7VC48	Los Angeles	2, 166	D, A	Bet. Eastman Ave. & LaVerne Ave. & Bet. Eastland Ave. & Todd Ave.	-----	4/25/51	Fischbach & Moore of Calif., Inc.	Lights & Signs	76,125	4,001	80,126
53-7VC20	Los Angeles	2, 168, 170	D, C, B, Wit	Intrs. Whittier Blvd. with Pioneer Blvd. & with Coffman-Pico Rd., Rosemead Blvd. with Rush St. & with Lower Azusa Rd., & Norwalk Blvd. with Beverly Blvd.	-----	8/29/52	Fischbach & Moore, Inc.	Signals, Lights & Chnlz.	54,542	5,500	60,042

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14VC11	Los Angeles	2	L.A	At Fourth St.		1/5/46	Byerts & Dunn	RC. Overcrossing	$130,354	$14,573	$144,927
14VC8	Los Angeles	2	L.A	At Seventh Street		1/11/46	Byerts & Dunn	RC. Overcrossing	247,667	23,096	270,763
7VC16	Los Angeles	2	L.A	Bet. Kearney & Soto Sts.		1/14/46	Peter Kiewit Sons' Co.	Gr. P.C.C. & A.C.	1,376,339	118,769	1,495,108
14VC10-F	Los Angeles	2	L.A	At Benton Way		2/4/46	Byerts & Dunn	RC Overcrossing	147,552	21,901	169,453
14VC9	Los Angeles	2	L.A	Santa Ana Freeway over Ramp 4 of Ramona Freeway		3/29/46	Contracting Engrs. Co.	2 R.C. Sep. Struct. & Ret. Walls	132,235	16,566	148,801
7VC21-F	Los Angeles	2	L.A	On & Adjacent to Santa Ana Freeway Bet. Soto St. & Indiana St.		7/16/46	Mike Radich & Co.	Gr., Storm Drain & Sanitary Sewer	375,885	26,733	402,618
14VC15-F	Los Angeles	2	L.A	On Santa Ana Freeway at First St.		7/22/46	Haddock Co.	RC. Undercrossing	175,255	7,260	182,515
14VC14	Los Angeles	2	L.A	At Boyle Ave.		7/25/46	Peter Kiewit Sons' Co.	RC. Overcrossing	202,616	13,460	216,076
7VC24-FP	Los Angeles	2	L.A	Bet. Diamond St. & Sunset Blvd.		10/24/46	Chas. T. Brown	Storm Drain & Sanitary Sewer	185,878	12,823	198,701
14VC20-F	Los Angeles	2	L.A	At Silver Lake Blvd.		11/14/46	Guy F. Atkinson Co.	R.C. Undercrossing	425,883	35,153	461,036
14VC22-F	Los Angeles	2	L.A	At Grand Ave.		12/9/46	Oberg Bros.	RC. Overcrossing	239,009	19,991	259,000
14VC23	Los Angeles	2	L.A	At Lorena St.		12/11/46	W. J. Disteli	RC. Overcrossing	140,261	11,307	151,568
14VC25	Los Angeles	2	L.A	At Esperanza St. & Indiana St.		12/31/46	Haddock Co.	RC. OC. & UC.	239,673	19,769	259,442
14VC24	Los Angeles	2	L.A	At Olympic Freeway		1/2/47	Haddock Co.	RC. Undercrossing	300,528	19,360	319,888
7VC28	Los Angeles	2	L.A	Bet. Kearney & Soto Sts.		2/4/47	Jannoch Nurseries	Landscape	56,003	6,088	62,091
14VC28	Los Angeles	2	L.A	At Soto St.		3/6/47	Oberg Bros.	RC. Underpass	181,109	13,679	194,788
14VC30	Los Angeles	2	L.A	At Euclid Ave. & Marietta St.		4/29/47	Spencer Webb Co.	2 RC. UC's.	254,498	18,891	273,439
7VC37	Los Angeles	2	L.A	Bet. Aliso & Kearney Sts.		5/13/47	Vido Kovacevich	Gr., P.C.C. & A. C.	185,116	20,670	205,786
7VC35-FP	Los Angeles	2	L.A	Bet. Vineland Ave. & Barham Blvd.	91.8	5/28/47	Peter Kiewit Sons' Co.	Gr. P.C.C., A.C. & R.C. Sep. Struct.	1,616,574	118,537	1,735,111
14VC32-FP	Los Angeles	2, 165	L.A	At Jct. Hollywood, Arroyo-Seco & Harbor Frwys.		6/24/47	James I. Barnes Const. Co.	4-Level R.C. Gr. Sep. Struct.	1,068,591	115,065	1,183,656
7VC44	Los Angeles	2	L.A	Bet. Aliso St. & Kearney St.		7/11/47	Jannoch Nurseries	Landscape	9,030	2,036	11,066
14VC37-F	Los Angeles	2	L.A	On Hollywood Frwy at Alvarado St.		10/20/47	Guy F. Atkinson Co.	R.C.Undercrossing	339,108	26,125	365,233
7VC49-F	Los Angeles	2	L.A, C	Bet. Calabasas & 1.5 Mi. W'ly	2.2	11/17/47	Spicer Co.	Gr. & P.M.S. on I.B.M.	330,733	38,806	369,539
14VC44-F	Los Angeles	2	L.A	At Virgil Ave., Hoover St. & Rosemont Ave.		1/20/48	Spencer Webb Co.	2 R.C. Undercrossings & 1 R.C OC.	566,267	40,307	606,574
7VC59-F	Los Angeles	2	L.A, D	Bet. Soto St. & Eastman Ave.	2.0	2/13/48	Griffith Co.	Gr. & P.C.C. & A.C.	1,062,852	80,061	1,142,913
14VC49-F	Los Angeles	2	L.A	On Hollywood Frwy at Figueroa St.		2/27/48	Carlo Bongiovanni	4 R.C. Undercrossings & 2 Ramp Gr. Sep. Structs.	998,629	60,882	1,059,511
7VC73	Los Angeles	2	L.A	Bet. E. Edgeware Rd. & 0.05 Mi. E'ly	0.1	4/22/48	McClain Const. Co.	Gr. & P.C.C.	14,805	2,083	16,888
14VC53-F	Los Angeles	2	L.A	At Vendome St. & Coronado St.		4/26/48	Chas. MacClosky Co.	2 R.C. Undercrossings	320,169	26,125	346,294
0-14VC54-F	Los Angeles	2	L.A	At Bonnie Brae St. & Beaudry Ave.		5/14/48	J. E. Haddock, Ltd.	R.C. Overcrossing & R.C. Undercrossing	416,214	30,928	447,142
7VC82	Los Angeles	2	L.A	Bet. Vineland Ave. & Barham Blvd.		6/29/48	Tri-Cities Elc. Serv.	Lights	39,668	1,528	41,196
0-14VC64-F	Los Angeles	2	L.A	On Hollywood Frwy at Spring St.		8/23/48	Oberg Bros. Const. Co.	R.C. Overcrossing	207,908	12,717	220,625
0-14VC65-FP	Los Angeles	2	L.A	At Melrose & Vermont Aves.		9/2/48	Spencer Webb Co.	R.C. OC. & R.C. UC.	955,845	49,880	1,005,725
0-7VC91	Los Angeles	2	L.A, D	Bet. Aliso St. & Eastman Ave.		9/27/48	Elc. & Mach. Serv., Inc.	Lights	116,968	3,805	120,773

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-14VC75	Los Angeles	2	L.A	At Santa Monica Blvd. & Normandie Ave.		11/16/48	J. E. Haddock, Ltd.	R.C. OC., R.C. UC. & Apps.	$574,535	$43,930	$618,465
0-7VC95	Los Angeles	2	L.A	Bet. Vineland Ave. & Barham Blvd.	1.8	11/19/48	Henry C. Soto Corp.	Landscape	25,521	3,037	28,558
0-14VC76	Los Angeles	2	L.A	At Western Ave.		12/15/48	Oberg Bros. Const. Co.	Steel OC	656,780	51,529	708,309
0-14VC77	Los Angeles	2	L.A	At Glendale Blvd.		1/13/49	J. E. Haddock, Ltd.	2 R.C. UC. & Apps.	463,161	34,646	497,807
0-7VC99	Los Angeles	2	L.A, D	Bet. Soto St. & Eastman Ave.	2.0	1/7/49	Huettig & Schromm	Landscape	46,545	4,270	50,815
0-7VC96	Los Angeles	2	L.A	Bet. Hill St. & Spring St.	0.1	1/18/49	Guy F. Atkinson Co.	Gr., P.C.C. & A.C. & 2 R.C. OC's	938,278	44,951	983,229
0-14VC79	Los Angeles	2	L.A	At Heliotrope Dr.		2/17/49	Chas. MacClosky Co.	R.C. Undercrossing	490,894	30,658	521,552
7V142	Los Angeles	2	L.A, D	Bet. Aliso St. & Eastman Ave.		3/1/49	Day Labor	Signs & Lights	6,018		6,018
0-14VC80	Los Angeles	2	L.A	At E. Edgeware Rd.		3/1/49	J. E. Haddock, Ltd.	R.C. Overcrossing	110,820	14,522	125,342
0-7VC107	Los Angeles	2	L.A	Bet. Normandie Ave. & Alexandria Ave.	0.2	4/8/49	McClain Const. Co.	Outer Highways	28,337	4,083	32,420
0-7VC108	Los Angeles	2	L.A	Boston St. Extension	0.1	4/14/49	Dragline Rentals Co.	Gr. & P.M.S. on P.C.C. Base	15,467	2,029	17,496
0-14VC84	Los Angeles	2	L.A	At Los Angeles St.		4/23/49	J. E. Haddock, Ltd.	2 R.C. OC's	463,658	31,440	495,098
0-7VC120-F	Los Angeles	2	L.A	On Hollywood Frwy. Bet. Virgil Ave. & Glendale Blvd.	1.6	6/9/49	N. M. Ball Sons	Gr. & P.C.C.	1,300,987	126,169	1,427,156
0-7VC127-F	Los Angeles	2	L.A	On Hollywood Frwy Bet. Glendale Blvd. & Grand Ave.	1.2	6/24/49	N. M. Ball Sons	Gr. & P. C.C.	937,051	90,253	1,027,304
1-14VC93-F	Los Angeles	2	L.A	At North Main Street		9/16/49	J. E. Haddock, Ltd.	2 R.C. OC's	576,106	40,281	616,387
1-7VC132	Los Angeles	2	L.A	On Hollywood Frwy Bet. Holly Crest Drive & Vineland Ave.		10/11/49	Elc. & Mach. Serv., Inc.	Illuminated Signs	3,722	564	4,286
1-14VC96-F	Los Angeles	2	L.A	Inbound Lanes over Santa Monica Frwy Outbound & Heliotrope Dr.		12/15/49	Chas. MacClosky Co.	R. C. Sep. Struct.	492,057	34,184	526,241
1-14VC97-F	Los Angeles	2	L.A	Over Hollywood Frwy. at Hill St.		2/8/50	Spencer Webb Co.	R.C. Overcrossing	418,695	28,234	446,929
7V158	Los Angeles	2	L.A	Bet. Virgil Ave. & Glendale Blvd.	1.6	3/29/50	Day Labor	Signs, Stripes & Markings	10,852		10,852
1-7VC155-F	Los Angeles	2	L.A	Bet. Western Ave. & Virgil Ave.	1.7	5/11/50	Griffith Co.	Gr. & P.C.C. & R.C. Ped. UC.	1,346,094	126,514	1,472,608
7V159	Los Angeles	2	L.A	Bet. Glendale Blvd. & Grand Ave.	1.2	5/18/50	Day Labor	Signs, Stripes & Safety Devices	5,400		5,400
1-14VC101-F	Los Angeles	2	L.A	At Sunset Blvd.		5/25/50	Lars Oberg	R.C. Overcrossing	294,308	27,755	322,063
1-14VC-102F	Los Angeles	2	L.A	At Fountain Ave.		6/2/50	Oberg Bros. Const. Co.	Gr., A.C. & R.C. Overcrossing	295,370	27,082	322,452
1-7VC158	Los Angeles	2	L.A	Bet. Virgil & Grand Aves.		6/20/50	Newberry Elc. Corp.	Lights & Illuminated Signs	143,568	5,595	149,163
1-14VC104-F	Los Angeles	2	L.A	At Wilton Pl.		6/29/50	George W. Peterson & Jack W. Baker	R.C. Overcrossing	299,989	24,882	324,862
1-7VC159	Los Angeles	2	L.A	Bet. Western Ave & Hobart Blvd.		6/29/50	J. E. Haddock, Ltd.	Pump Plant & Storm Drains	126,573	13,500	140,073
51-14VC7	Los Angeles	2	L.A	Over Hollywood Frwy at Belmont Ave.		9/19/50	Byerts & Sons	R.C. Ped. OC.	341,195	3,441	34,636
51-14VC11-F	Los Angeles	2	L.A	At Van Ness Ave.		11/27/50	J. E. Haddock, Ltd.	2 R.C. Brs.	309,108	32,500	341,608
51-7VC25	Los Angeles	2	L.A	Bet. Western Ave. & Virgil Ave.		12/13/50	Fischbach & Moore of Calif., Inc.	Lights & Signs	62,568	2,808	65,376
51-7VC26	Los Angeles	2	L.A	Bet. Beaudry Ave. & Grand Ave.	0.4	12/22/50	Jannoch Nurseries	Roadside Development	42,875	3,700	46,575
7V165	Los Angeles	2	L.A	Bet. Virgil Ave. & Western Ave.	1.7	1/3/51	Day Labor	Signs, Stripes, Markings & Safety Devices	7,492		7,492
51-7VC29	Los Angeles	2	L.A	Bet. Virgil Ave. & Beaudry Ave.	2.3	1/11/51	Jannoch Nurseries	Roadside Development	49,173	4,300	54,473
51-14VC13	Los Angeles	2	L.A	At Holly Dr.		1/19/51	George W. Peterson & Jack W. Baker	R.C. Undercrossing	288,104	11,987	300,091

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-7VC34-F	Los Angeles	2	L.A	Bet. Grand Ave. & Los Angeles St.	0.5	1/26/51	Webb & White	Gr., P.C.C. & A.C, & R.C. OC.	$940,153	$57,143	$997,566
51-14VC14-F	Los Angeles	2	L.A	At Hollywood Blvd.		2/20/51	Fredericksen & Kasler	R.C. OC.	330,202	35,000	365,202
51-14VC18-F	Los Angeles	2	L.A	At Cahuenga Blvd.		3/30/51	Oberg Bros. Const. Co.	R.C. UC.	283,890	35,000	318,890
51-7VC42-P	Los Angeles	2	L.A	Bet. Sunset Blvd. & 200 Ft. S. of Temple St.	0.5	4/2/51	Webb & White	Gr. & A.C.	197,798	11,202	208,000
51-7VC51	Los Angeles	2	L.A	Bet. Parkman & Grand		5/23/51	James E. Boothe	Plant Ground Cover	36,187	4,000	40,187
51-14VC21-F	Los Angeles	2	L.A	At Bronson Ave. & Gower St.		6/21/51	George W. Peterson & Jack W. Baker	2 R.C. Brs.	926,020	84,000	1,010,020
52-7VC24-F	Los Angeles	2	L.A	On Hollywood Frwy., Bet. Hollywood Blvd. & Western Ave.	0.7	12/28/51	Webb & White	Gr., P.C.C. on C.T.S., Ret. Walls & Pump Plant	1,367,492	147,000	1,514,492
52-7VC27	Los Angeles	2	L.A	On Hollywood Frwy., Bet. Hollywood Blvd. & Western Ave.		1/16/52	Westates Elcl. Const. Co.	Lights & Illuminated Signs	60,245	6,300	66,545
52-7V25	Los Angeles	2	L.A	Bet. Grand Ave. & Los Angeles St.		1/29/52	Day Labor	Signs & Stripes	5,731		5,731
52-7VC31-Y	Los Angeles	2	L.A	At Intrs. Franklin Ave with Vine St. & Argyle Ave.		2/6/52	Ed. Seymour	Lights	3,352	500	3,852
52-7VC32-F	Los Angeles	2	L.A	On Hollywood Frwy., Bet. Mulholland Dr. & Cahuenga Blvd. & Bet. Gower St. & Hollywood Blvd.	1.4	2/14/52	Bongiovanni Const. Co.	Gr., P.C.C. on C.T.S., 3 R.C. Brs. R.C. Ped. UC. & Extend 2 R.C. Ped. UC's	2,227,217	245,000	2,472,207
52-14VC17-F	Los Angeles	2	L.A	On Santa Ana Frwy., Bet. Los Angeles St. & Lyon St.	0.3	3/24/52	Geo. W. Peterson & Jack W. Baker	Gr., P.C.C. & A.C., 2 R.C. UP's & 3 R.C. Retaining Walls	1,229,237	100,000	1,329,237
52-7VC42	Los Angeles	2	L.A	Bet. Virginia Ave. & Los Angeles St.	2.0	6/27/52	Henry C. Soto Corp.	Roadside Development	110,578	10,500	121,078
52-7VC36	Los Angeles	2	L.A	On Santa Ana Frwy., Bet. Los Angeles St. & Lyon St.		4/1/52	Ets-Hokin & Galvan Inc.	Lights & Illum. Signs	39,190	3,800	42,990
52-7VC33	Los Angeles	2	L.A	On Hollywood Frwy., Bet. Mulholland Dr. & Cahuenga Blvd. & Bet. Gower St. & Hollywood Blvd.		3/12/52	Electric & Machinery Service, Inc.	Lights & Signs	151,653	15,000	166,653
52-7VC15	Los Angeles	2	L.A	On Hollywood Frwy. Bet. Cahuenga Blvd. & Gower St.		7/27/51	C. D. Draucker, Inc.	Lights & Illum. Signs	37,200	3,900	41,100
51-14VC19-F	Los Angeles	2	L.A	Bet. Cahuenga Blvd. & Gower St.	0.6	5/31/51	Winston Bros. Co.	Gr., P.C.C. on I.B.M. & 3 R.C. UC's., 1 R.C. OC., 1 R.C. Sep.	1,744,358	145,000	1,889,357
54-7VC49	Los Angeles	2	L.A	On Santa Ana Frwy. Bet. Ramona Frwy. & Seventh St.		12/11/53	Fischbach & Moore, Inc.	Lights & Illum. Signs	37,092	1,800	38,892
54-7VC30	Los Angeles	2	L.A	On Hewitt St. Bet. Commercial St. & Ducommon St.		10/9/53	C. O. Sparks, Inc. & Mundo Engineering Co.	Frwy. Connection	8,924	900	9,824

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-7VC29	Los Angeles	2	L.A	Santa Ana Frwy. Bet. Ramona Frwy. & Seventh St.	-----	10/5/53	Webb & White	Gr., A.C. on P.C.C. on Ramps	$215,438	$29,600	$245,038
54-7VC17	Los Angeles	2	L.A	Bet. Hollywood Blvd. & Santa Monica Blvd.	1.0	8/10/53	Jannoch Nurseries	Roadside Planting & Stabilization	78,433	7,800	86,233
7V178	Los Angeles	2	L.A	Bet. Alameda & Aliso Sts. & Los Angeles Riv.	-----	5/21/51	City of Los Angeles	Storm Drains	1,139,558	----------	1,139,558
53-7V17	Los Angeles	2	L.A	Hollywood & Santa Ana Frwys. Bet. Kingsley Dr. & Ditman St.	-----	10/3/52	Day Labor	Drainage	17,859	2,287	20,146
54-7VC46	Los Angeles	2, 26, 165, 205	L.A, SPas	Var. Locations on Hollywood, Santa Ana, Ramona & Arroyo Seco Frwys.	-----	3/19/53	Justice-Dunn Co.	Reconstruct Storm Damaged Slopes	26,058	3,473	29,531
53-7VC56	Los Angeles	2	L.A	At Intrs. Whittier Blvd. & Laurel Ave.	-----	4/27/53	Electric & Machinery Service, Inc.	Signals	4,768	532	5,300
1-7VC144-F	Los Angeles	4	A, G	Bet. 0.4 Mi. S. of Castaic Cr. & 0.4 Mi. N. of Palomas Wash	-----	2/1/50	Basich Bros. & Basich Bros. Const. Co. & W. C. Lefever & D. Gerald Bing	Gr., P.M.S. on C.T.B. & 2 R.C. Brs.	827,235	97,128	924,363
1-7VC157	Los Angeles	4	A, G	At 2.2 Mi. N. of Castaic Cr. & at Palomas Wash	-----	5/23/50	Elc. & Mach. Serv. Inc.	Lights	6,247	515	7,662
53-7VC31	Los Angeles	4	A	Bet. 1.0 Mi. & 0.6 Mi. S'ly of Castaic Jct.	-----	11/25/52	Jesse S. Smith	Scale House, Truck Scales & Apps.	44,489	7,500	51,989
54-7VC19	Los Angeles	4	A	Bet. S. P. RR. Overhead & Castaic Jct.	1.2	8/12/53	Jannoch Nurseries	Roadside Development	3,102	300	3,402
-7VC78	Los Angeles	4, 79	F, A, B, A	Bet. S. of Santa Clara Riv. & Castaic Cr.	2.6	6/10/48	Griffith Co.	Gr. & A.C. on P.C.C. Base	489,227	51,307	540,534
7VC81	Los Angeles	4	F	Bet. Pico Canyon Rd. & Rte. 79	3.3	6/24/48	N. M. Ball Sons	Gr. & P.C.C. on C.T.S.	430,923	50,570	481,493
0-7VC87	Los Angeles	4	F, A	At Saugus Rd. & Ventura Rd.	-----	8/11/48	California Elc. Works	Signals & Lights	33,343	2,210	35,553
51-7VC11	Los Angeles	4, 79	F, A, B, A	At Saugus Jct. & at Castaic Jct.	-----	8/2/50	Jannoch Nurseries	Sprinkling System	5,809	978	6,787
7VC31	Los Angeles	4	G	Bet. Palomas Cr. & Violin Saddle	2.6	3/10/47	Clyde W. Wood, Inc.	Gr. & P.M.S. on U.R.B.	798,702	74,581	873,283
7VC57	Los Angeles	4	G, H	Bet. Violin Saddle & Whitaker Summit	4.4	2/6/48	Winston Bros. Co.	Gr. & P.M.S. on U.R.B.	1,375,168	98,915	1,474,083
7VC38	Los Angeles	4	H	Bet. 9 Mi. N. of Castaic & Frenchman's Flat	3.8	5/29/47	Winston Bros. Co.	Gr. & P.M.S. on U.R.B.	1,455,481	126,678	1,582,159
1-7VC153	Los Angeles	4	H, I, J	Bet. Frenchman's Flat & 0.5 Mi. N. of Alamos Cr.	5.3	5/5/50	A. Teichert & Son, Inc.	Gr., P.M.S. on U.R.B., 2 R.C. Brs. & widen 2 Stl. Brs.	1,970,514	170,423	2,140,937

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-7VC12	Los Angeles	4	H, J	Bet. Whitaker Ridge & 2.6 Mi. S. of Rte. 59 (Pors.)	10.0	7/29/53	Gordon H. Ball, San Ramon Valley Land Co. & John M. Ferry	P.M.S.	$273,117	$17,000	$290,117
0-7VC109	Los Angeles	4	J	Bet. N. of Los Alamos Cr. & S. of Rte. 59	6.7	4/14/49	Peter Kiewit Sons' Co.	Gr., P.M.S. & R.C. Br.	973,397	80,190	1,053,587
1-6VC43-F	L. A, Ker	4	J, D, A	See Kern County							
51-7VC43	L. A, Ker, Ven	4, 2	J, D, A, F, A	Various Locations		3/29/51	Elc. & Mach. Serv., Inc.	Lights	32,613	3,009	35,622
7AVC2	Los Angeles	4	Brb	Bet. Burbank Blvd. & Orange Grove Ave.	0.5	10/31/45	Jesse S. Smith	Gr. & A.C.	89,179	13,950	103,965
7V45	Los Angeles	4	Brb	Bet. Magnolia Ave. & Providencia Ave.		7/10/46	Day Labor	Signals	13,675		13,675
1-7VC125-P	Los Angeles	4	Brb	Bet. San Fernando Blvd. & Burbank Blvd.	0.8	6/9/49	Griffith Co.	Gr. & A.C.	201,546	23,031	224,577
1-7VVC12	Los Angeles	4	Brb	At San Fernando Blvd. & Burbank Blvd.		8/5/49	C. D. Draucker, Inc.	Signals & Lights	24,663	2,884	27,547
51-7VC30	Los Angeles	4	Brb	Bet. Orange Grove Ave. & San Fernando Blvd.	0.6	1/11/51	Jesse S. Smith	A.C. & Resurf. with P.M.S.	68,975	7,507	76,482
51-7VC39	Los Angeles	4	Brb	Bet. Burbank Blvd. & Magnolia Blvd.		2/14/51	Amer. Chain Link Mach. Co.	Chain Link Fence	3,870	400	4,270
53-7VC8	Los Angeles	4	Brb	On San Fernando Rd. Bet. Brighton St. & Cohasset St.	1.1	5/19/52	Schroeder & Co.	A.C.	62,837	6,393	69,230
1-7VC139	Los Angeles	4, 213	L.A, SFr	Various Locations		12/15/49	Clinton Elc. Corp.	Signals & Lights	24,792	2,828	27,620
51-7VC36-F	Los Angeles	4	L.A, F	Bet. N.C.L. of Los Angeles & Pico Canyon Rd.	5.1	2/5/51	Claude Fisher Co., Ltd. (A. Teichert & Son, Inc. Completing)	Gr. & P.C.C.	1,375,038	60,000	1,435,038
7V179	Los Angeles	4	L.A	Across Big Tujunga Wash		6/15/51	U. S. Engineers	Widen R.C. Br.	192,621	12,485	205,106
54-7VC15	Los Angeles	4, 9	SFr	At Intrs. of Maclay Ave. with San Fernando Rd., (US 99)		8/7/53	D. E. Higday	Modify Drainage Facilities	13,670	1,800	15,470
7VV11	Los Angeles	9	A, V	On Foothill Blvd.		7/12/48	Day Labor	Chnlz.	6,057		6,057
0-7VVC1	Los Angeles	9	A, B	On Foothill Blvd.		7/23/48	C. D. Draucker, Inc.	Signals & Chnlz.	70,334	3,736	74,070
53-7VC26	Los Angeles	9	A	Intrs. of Foothill Blvd. with Rosemont Ave. & with Briggs Ave.		10/15/52	Westates Elcl. Const. Co.	Signals & Lights	11,522	1,642	13,164
54-7VC2	Los Angeles	9	A, B	On Foothill Blvd. Bet. Alta Candada Rd. & La Canada-Verdugo Rd.	2.0	4/22/53	Osborn Co.	C.T.B. & P.M.S.	137,764	16,000	153,764
7V35	Los Angeles	9	E	At Station 216+50		12/26/45	Day Labor	R.C.Pipe Culv.	8,845	1,362	10,207
54-7VC21	Los Angeles	9	E, Pas	Intrs. of Foothill Blvd. & Michilinda Ave.		8/24/53	Electric & Machinery Service, Inc.	Signals, Lights & Chnlz.	23,516	1,200	24,716

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14VC33	Los Angeles	9	G	Across San Gabriel River near Azusa	-----	6/26/47	Bonadiman-McCain, Inc.	Reconstruct Br.	$44,184	$6,118	$50,302
7VC34	Los Angeles	9	H	Bet. Citrus Ave. & Grand Ave.	1.0	4/29/47	Griffith Co.	P.M.S.	7,873	646	8,519
0-7VVC5	Los Angeles	9	J, Ada, Mnro	Various Locations on Foothill Blvd.	-----	10/6/48	C. D. Draucker, Inc.	Signals & Lights	36,405	1,896	38,301
7V163	Los Angeles	9	N	Bet. Los Angeles Co. Line & Los Angeles W.C.L.	-----	10/13/50	Day Labor	Widen	33,662	1,495	35,157
54-7VC18	Los Angeles	9	Azu	Intrs. of Foothill Blvd. with Virginia Ave., Azusa Ave. & Pasadena Ave.	-----	8/10/53	Westates Electrical Constr. Co.	Signals & Lights	433	----------	433
0-7VVC11-P	Los Angeles	9	Cla	On Foothill Blvd. at Indian Hill Blvd.	-----	6/28/49	Paul R. Gardner	Signals & Lights	9,873	1,153	11,026
7VC53-P	Los Angeles	9	Mnro, G, H, Gdr	Bet. 5th Ave. & Glendora Ave.	-----	1/17/48	Econolite Corp.	Signals & Lights	82,490	1,472	83,962
1-7VC136	Los Angeles	9	Mnro	Bet. Shamrock Ave. & Huntington Dr.	1.1	12/9/49	Vido Kovacevich Co.	Gr. & P.M.S.	127,302	18,069	145,371
51-7VC14	Los Angeles	9	Pas, E	Bet. Sierra Madre Villa Ave., & Michillinda Ave.	0.8	8/18/50	J. E. Haddock, Ltd.	Gr. & P.M.S. on C.T.B.	75,463	15,201	90,664
51-7VC33	Los Angeles	9, 168	Pas, E, C	At Rosemead Blvd.	-----	1/22/51	Fischbach & Moore of Calif., Inc.	Signals & Lights	10,922	338	11,260
1-7VVC13	Los Angeles	9	SFr	Maclay Ave. at 7th St.	-----	9/21/49	C. D. Draucker, Inc.	Signals	2,055	347	2,402
7XC22-F	Los Angeles	19	B, Pom	Bet. Rte. 77 & Pomona	0.7	10/18/46	Matich Bros.	Gr. & Widen with P.C.C.	72,373	9,414	81,787
7VC41-Y	Los Angeles	19, 26	Pom	On 5th Ave. & Holt Ave. Bet. Hamilton Blvd. & Reservoir St., 16 Intrs.	-----	6/30/47	Prescott Electric and Mfg. Co.	Signals	45,927	2,096	48,023
0-7VC88	Los Angeles	19	Pom	Bet. White Ave. & Garey Ave.	0.5	8/11/48	Cox Bros. Const. Co.	P.M.S.	39,191	1,973	41,164
53-7VC40	Los Angeles	19, 77	Pom	Intrs. Fifth Ave. & Bellevue Ave.	-----	1/19/53	Westates Elcl. Const. Co.	Signals, Lights & Chnlz.	19,779	821	20,600
53-7VC54	Los Angeles	19	Pom	At Intrs. of Fifth Ave. with Hansen Ave. & with Buena Vista Ave.	-----	4/17/53	Ed Seymour	Signals & Lights	10,776	699	11,475
7V146	Los Angeles	23, 79	C, D, E, B	Bet. Williams Ranch & Palmdale & Bet. Jct. Rte. 23 & Saugus	10.7	7/1/49	Day Labor	Improve Shldrs.	55,134	1,548	56,682
7VC26	Los Angeles	23	E, F	About 0.5 Mi. N. of Palmdale	0.8	12/31/46	A. A. Edmondson	Gr. & P.M.S.	60,829	280	61,109
1-7VVC19	Los Angeles	23	F	At Intrs. Sierra Hwy. & 10th St.	-----	3/13/50	Elc. & Mach Serv., Inc.	Signals	5,275	421	5,696

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-7VC74	Los Angeles	23	G	Bet. Lancaster & Kern Co. Line	8.1	4/22/48	G. W. Ellis Const. Co.	Resurface with P.M.S. B.S.T. on Shldrs.	$96,679	$8,835	$105,514
0-7VC68	Los Angeles	23	I	Bet. Rte. 79 & ½ Mi. S. of Santa Clara Riv.	4.0	4/1/48	Schroeder & Co.	Gr. & P.M.S.	74,137	5,392	79,529
52-7VC3	Los Angeles	23	I	Bet. 0.5 Mi. South S. P. RR. Overhead & Solamint	0.9	4/2/51	Basich Bros. Const. Co. N. L. & R. L. Basich	P.M.S.	18,690	1,811	20,501
52-7VC4	Los Angeles	23	L.A, H	Bet. Tunnel Sta. & N'ly End of Section H	2.0	4/2/51	Basich Bros. Const. Co., N. L. & R. L. Basich	P.M.S.	51,338	4,523	55,861
7XC36	Los Angeles	23	A, B EMte	Bet. San Gabriel Blvd. & Mt. View Rd.	-----	6/6/47	C. D. Draucker, Inc.	Signals	54,040	1,674	55,714
0-7VC72	Los Angeles	26	A, EMte	Bet. New Ave. & Mountain View Ave.	3.9	4/15/48	Wm. Radkavich Co., Inc.	Gr. & P.M.S. on U.R.B.	108,790	7,986	116,776
0-7VVC9-P	Los Angeles	26, 172	A, MonP Mtbl	At Intrs. of Garvey Ave. with Denton Ave. & 3d St. with Garfield Ave.	-----	4/27/49	Prescott Elc. & Mfg. Co.	Signals & Lights	13,775	1,124	14,899
0-7VVC2	Los Angeles	26	B, WCov	Bet. Frazier St. & Barranca St.	-----	7/29/48	Paul Gardner	Signals	76,685	3,221	79,096
7XC37	Los Angeles	26, 77	C, B	At Holt Ave. & Bellevue Ave.	-----	6/24/47	Econolite Corp.	Signals & Lights	30,808	1,446	32,254
7XC38	Los Angeles	26, 77	C, B	At Holt Ave. & Bellevue Ave.	0.5	6/24/47	Griffith Co.	Widen & A.C. on P.C.C. Base	74,341	12,051	86,392
51-7VC38-F	Los Angeles	26	D, L.A, Alh	Bet. 0.2 Mi. E. of Helen Dr. & Hellman Ave.	1.5	2/9/51	J. E. Haddock, Ltd.	Gr., P.C.C. on C.T.S., P.M.S. on I.B.M., Stl. UP. & Ped. OC., R.C. OC., & R.C. & Stl. UC.	1,815,736	188,000	2,003,736
51-14VC20	Los Angeles	26	D, L.A.	On Murphy St. Bet. Eastern Ave. & Ramona Frwy.	0.5	5/31/51	J. E. Haddock, Ltd.	P.M.S. on I.B.M., Stl. Br. & Ramp	189,808	17,287	207,095
51-7VC54	Los Angeles	26	D, L.A, Alh	Bet. Helen Dr. & 8th St.	-----	6/28/51	Elc. & Mach. Serv., Inc.	Lights & Illum. Signs	88,259	8,000	96,259
7V182	Los Angeles	26	D, L.A	Bet. Helen Dr. & Hellman Ave.	1.5	11/5/52	Day Labor	Signs, Stripe & Detour	6,865	21	6,886
7VMC23	Los Angeles	26	Alh	At Ramona Blvd. & Garvey Ave.	-----	3/22/48	Econolite Corp.	Signals	14,083	----------	14,083
51-7VC50-F	Los Angeles	26	Alh	Bet. Hellman Ave. & 8th St.	0.9	6/28/51	Griffith Co.	Gr. P.C.C. on C.T.S., P.M.S. on I.B.M., Stl. Ped. OC., & 2 R.C. UC's.	1,325,499	142,000	1,467,499
52-14VC13	Los Angeles	26	Alh	Over Ramona Frwy. & P.E. Ry. Tracks at Campbell Ave.	-----	11/27/51	Griffith Co.	Stl. & R.C. Ped. OC.	84,775	10,000	94,775

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-7VC19	Los Angeles	26	Alh, MonP, E	On Ramona Frwy., Bet. 8th St. & 0.1 Mi. E. of Jackson Ave.	1.7	9/25/51	Griffith Co.	Gr., P.C.C., P.M.S., R.C. Ped. UC., 3 R.C. & Stl. UC's & UP's, & 1 R.C. & Stl. OH.	$2,453,719	$250,000	$2,703,719
53-7V12	Los Angeles	26	C	Bet. Holt Ave. & Bellevue Ave.	-----	8/15/52	Day Labor	Curbs	6,497	537	7,034
52-7VC30-F	Los Angeles	26	E	On Ramona Frwy., Bet. 0.1 Mi. E. of Jackson Ave. & Rosemead Blvd. (Por.)	1.7	1/28/52	Griffith Co.	Gr., P.C.C., P.M.S., Stl. Br., R.C. & Stl. Br., 3 R.C. & Stl. UC's & UP's, & R.C. Gr. Sep.	2,402,021	250,000	2,652,021
7XC16	Los Angeles	26	L.A	Bet. Macy St. & Indiana St.	1.9	4/26/46	Alcorn Fence Co.	Fence	26,927	1,843	28,773
7VC58	Los Angeles	26	L.A	Bet. Macy St. & Indiana St.	1.8	2/13/48	Jannoch Nurseries	Landscape	40,944	2,691	43,635
1-7VC130-F	Los Angeles	26	L.A, D	Bet. Evergreen Ave. & E. of Helen Dr.	1.8	9/1/49	J. E. Haddock, Ltd.	Gr., P.C.C., P.M.S., 3 R.C. Brs. & 2 R. C. Ped. UCs Extended	1,234,815	134,375	1,369,189
1-7VC147	Los Angeles	26	L.A, D	Bet. Macy St. & Helen Dr.	-----	2/9/50	Elc. & Mach. Serv., Inc.	Signs & Lights	36,952	3,469	40,421
7V157	Los Angeles	26	L.A, D	Bet. Evergreen Ave. & Helen Dr.	-----	3/23/50	Day Labor	Signs, Stripes & Signals	7,584	----------	7,584
52-14VC14	Los Angeles	26	L.A	Over Ramona Frwy. & P. E. Ry. Tracks at Evergreen Ave.	-----	1/4/52	J. E. Haddock, Ltd.	Stl. & R.C. Ped. OC.	82,437	8,380	90,817
52-7VC32	Los Angeles	26	L.A, D	Ramona Frwy. Bet. Evergreen Ave. & Helen Dr.	1.5	12/1/52	Henry C. Soto Corp.	Roadside Development	28,108	3,700	31,808
7XMC4	Los Angeles	26	MonP, A	Various Locations	-----	12/11/46	C. D. Draucker, Inc.	Signals	42,189	686	42,875
51-7VC19-P	Los Angeles	26, 167, 172	MonP, Mtbl	Various Intersections	-----	11/14/50	Westates Elcl. Const. Co.	Signals & Lights	20,383	708	21,091
52-7V34	Los Angeles	26	MonP	Bet. Hitchcock Ave. & New Ave.	-----	4/15/52	Day Labor	Safety Lights	6,208	----------	6,208
53-7VC1	Los Angeles	26	Pom	Bet. Hamilton Blvd. & W. C. L.	0.7	4/1/52	R. A. Erwin	A.C.	29,731	2,776	32,507
52-7VC52	Los Angeles	26	Pom	Garvey Ave. Bet. Holt Ave. & Bellevue Ave.	-----	3/31/53	Crown Fence & Supply Co., Ltd.	Fence	3,079	----------	3,079
55-7VC1	Los Angeles	26	Pom	Bet. Reservoir Ave. & E. C. L. of Pomona	0.9	4/1/54	Vido Kovacevich Co.	Resurf. with P.M.S. & Asphalt Subseal	31,144	1,200	32,344
53-14VC5-F	Los Angeles	26	Pom, Cla	On Ramona Frwy.	0.5	6/4/52	R. M. Price Co.	Widen, A.C., & 7 R.C. Brs.	1,188,990	110,000	1,298,990

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
7V102	Los Angeles	59	D	Across Sandy Cr.		2/2/48	Day Labor	R.C. Culv.	$5,941	$139	$6,080
14VC45	Los Angeles	59	H	Across Big Rock Wash		1/23/48	Troy Const., Inc.	2 R.C. Bridges	39,204	4,384	43,588
52-7VC18	Los Angeles	59	H, I, J	Bet Palmdale & 2 Mi. E. of Llano (Por.)	3.5	9/15/51	Osborn Co.	Gr., B.S.T. & R.C. Br.	196,504	37,525	234,029
53-7VC9	Los Angeles	59	J	On Pear Blossom Hwy. Bet. Palmdale & Old Nadeau Rd.	1.4	5/19/52	E. C. Young	Gr. & P.M.S.	93,136	19,990	113,126
7VC23	Los Angeles	60	A	Bet. Latigo Canyon & Malibu Cr.	4.5	10/14/46	Peter Kiewit Sons' Co.	Grade & P.C.C.	1,633,924	143,893	1,777,817
0-7VC92	Los Angeles	60	A	Bet. Malibu Cr. & Las Flores Cr.	2.9	10/11/48	Dicco, Inc., & Dix-Syl Const. Co., Inc.	Gr. P.M.S., R.C. Br. & widen 2 R.C. Brs.	483,651	52,068	535,719
0-7VC97	Los Angeles	60	A	Bet. Solstice Cr. & Malibu Cr.	3.3	1/4/49	Stephen L. Vistica	Landscape	9,867	1,394	11,210
54-7V4	Los Angeles	60	A	Bet. Encinal Canyon & Escondido Canyon		9/24/53	Day Labor	Sub-seal	21,863	247	22,110
7V86	Los Angeles	60	B	0.4 Mi. N'ly of L.A. Co. Line		1/17/47	Day Labor	Reconst. Culv.	16,261	816	17,077
51-7VC46	Los Angeles	60, 156	B, A	At Topanga Canyon Blvd.		4/24/51	Westates Elcl. Const. Co.	Signals & Lights	12,451	593	13,044
52-7V12	Los Angeles	60	B	At Sta. 204+57		7/25/51	Day Labor	Culv.	7,499	285	7,784
7VC63	Los Angeles	60, 158	C, B	Lincoln Ave. at Jefferson Blvd., Sepulveda Blvd. at Centinela Ave. & Slauson Ave. at Jefferson Blvd.		3/5/48	Econolite Corp.	Signals	49,455	747	50,402
7VC22	Los Angeles	60, 166	ESeg, ManB, A	At Intrs. of Rte. 60 with El Segundo Blvd. & Rosecrans Ave. & of Rte. 166 with Washington Blvd.		7/22/46	Econolite Corp.	Signals	24,705	1,796	26,501
53-7VC48-P	Los Angeles	60, 158, 164	ESeg, ClC, Ing	Intrs. Sepulveda Blvd. with Grand Ave.; Sepulveda Blvd. with Lindblade St.; & Centinela Ave. with Eucalyptus Ave.		3/10/53	C. D. Draucker, Inc.	Signals & Lights	20,370	1,306	21,676
7VV65	Los Angeles	60, 179	LBch	At Pacific Coast Hwy. & 7th St.		2/23/49	Day Labor	Signals	5,542		5,542
7VV135	Los Angeles	60	LBch	At Coast Hwy. & San Francisco Ave. & at Magnolia & American		11/12/49	City of Long Beach	Signals	5,250		5,250
7V161	Los Angeles	60	LBch	At Ximeno Ave. & Anaheim St.		9/1/50	Day Labor	Signals & Lights	8,994		8,994
7V177	Los Angeles	60	LBch	Intrs. Santa Fe Ave. & Obispo St.		5/21/51	Day Labor	Signs, Signals & Illumination	9,316		9,316
7AVC3	Los Angeles	60	L.A, G, LBch	Bet. Dominguez Channel & S. Gabriel Ave.	0.7	4/25/46	James I. Barnes Const. Co.	Gr. A.C. & 4 Stl. Br.	1,982,617	14,535	1,997,152

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
7V147	Los Angeles	60	L.A	Bet. Alameda St. & W. C. L. (Portion)	1.2	7/1/49	Day Labor	P.M.S. & Shldrs.	$49,647	----------	$49,647
1-7VC131	Los Angeles	60	L.A	Bet. Washington Blvd. & Venice Blvd.	0.4	9/15/49	Jesse S. Smith & A. A. Edmondson	Widen & Resurface with A.C. & P.C.C.	78,267	$10,273	88,540
51-7VC9	Los Angeles	60	L.A	Bet. A. T. & S. F. Overhead & Figueroa St.	1.5	5/11/50	Griffith Co.	P.M.S.	18,414	1,518	19,932
51-7VC31-P	Los Angeles	60	L.A	At Sunset Blvd. & Chautauqua Blvd.	0.7	1/29/51	Jesse S. Smith	Widen. P.M.S. & Widen R.C. Br.	70,658	10,090	80,748
52-7VC5	Los Angeles	60	L.A	Bet. Vermont Ave. & Figueroa St.	0.6	4/2/51	Warren Southwest, Inc.	Gr., P.M.S. & U.R.B.	50,970	8,773	59,743
52-7VC9	Los Angeles	60	L.A	Bet. S. C. L. & Washington Blvd.	0.3	6/5/51	Oswald Bros. Co.	Widen & P.M.S.	16,353	1,517	17,870
7VMC9	Los Angeles	60, 175	ManB HmB	At Center St. & Gould Lane	-----	2/17/47	Econolite Corp.	Signals	25,903	----------	25,903
0-7VMC28-P	Los Angeles	60	ManB	At Marine Ave.	-----	7/17/48	Econolite Corp.	Signals	11,609	----------	11,609
7VMC11	Los Angeles	60	RdoB, HmB	At Redondo & Hermosa Beach	-----	3/7/47	C. D. Draucker, Inc.	Signals	44,274	1,545	45,819
51-7VVC1-P	Los Angeles	60	RdoB	At Intrs. with Ave. F	-----	8/3/50	Fischbach & Moore of Calif., Inc.	Signals	2,328	208	2,536
51-7VC45-P	Los Angeles	60	RdoB	At Vincent St.	-----	4/24/51	C. D. Draucker, Inc.	Signals	3,089	109	3,198
52-7VC43	Los Angeles	60	RdoB	Intrs. Pacific Coast Hwy. with Elena Ave. & Ave. H	-----	6/27/52	Elc. & Mach Serv., Inc.	Signals & Lights	7,953	1,106	9,059
7VC80	Los Angeles	60	SMca	Bet. Colorado St. Tunnel & Lincoln Blvd.	0.6	6/18/48	J. E. Haddock, Ltd.	P.M.S. on I.B. & U.R.B.	79,397	7,780	87,176
0-7VVC10	Los Angeles	60, 158	SMca A	Palisades Beach Rd. at California Ave. & Sepulveda Blvd. at Constitution Ave.	-----	5/6/49	Westates Elc. Const Co.	Signals & Lights	14,593	902	15,495
7V169	Los Angeles	60	SMca	Bet W'ly Tunnel Portal & California Ave. Incline	0.8	2/8/51	Day Labor	Subseal	5,136	----------	5,136
52-7VC2	Los Angeles	60	SMca	Bet. W'ly Tunnel Portal & California Ave. Incline	0.9	4/2/51	Schroeder & Co.	P.M.S.	27,118	1,696	28,814
52-7V17	Los Angeles	60	Tor	At Newton St.	-----	12/5/51	Day Labor	Channelization	9,040	570	9,610
54-7VC44	Los Angeles	61	A, B	At 3 Locations Bet. Georges Gap & Valley Forge Canyon	-----	12/9/53	N. M. Saliba Co.	Metal Retaining Walls	14,212	1,400	15,612
47X1	Los Angeles	61	C, D	Bet. Chilao & W. Islip Saddle	3.1	6/21/41	Honor Camp Labor	Grade	1,016,529	35,500	1,052,029
7V134	Los Angeles	61	C. D	Angeles Crest Highway	8.3	7/1/48	Honor Camp Labor	Grade	348,945	57,329	406,274
7V148	Los Angeles	61	C, D	Angeles Crest Highway (Por.)	-----	7/1/49	Honor Camp Labor	Grade	423,000	31,614	454,614
7V160	Los Angeles	61	C. D	Angeles Crest Hwy.	-----	6/29/50	Day Labor	Grade	423,989	25,353	449,342
52-7V10	Los Angeles	61	C, D	Angeles Crest Hwy. (Por.)	-----	7/5/51	Honor Camp Labor	Grade	425,994	28,542	454,536
53-7V10	Los Angeles	61	C. D	Angeles Crest Hwy. (Pors.)	-----	6/27/52	Honor Camp	Grade	424,024	33,610	457,834

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-7VC16	Los Angeles	61	E	At Intrs. of Verdugo Blvd. with Descanso Dr.-Alta Canyada Rd.	-----	8/7/53	C. D. Draucker, Inc.	Signals & Lights	$9,589	$800	$10,389
51-7VC16-P	Los Angeles	61	GndL	Various Locations	-----	9/20/50	C. D. Draucker, Inc.	Signals & Lights	33,325	728	34,053
52-7VC40-P	Los Angeles	61, 161	GndL	Intrs. Verdugo Rd. with Maple St. & with Acacia Ave., & Colorado St. with Louise St.	-----	5/6/52	Westates Elcl. Const. Co.	Signals & Lights	16,395	1,011	17,406
7V122	Los Angeles	62	B	Across N. Fork San Gabriel River	-----	5/5/48	Day Labor	Replace Timber Br.	12,091	564	12,655
7V139	Los Angeles	77	A, EMte	Bet. San Bernardino Rd. & Rte. 26	-----	12/14/48	Day Labor	Improve Drainage	13,895	-----	13,895
1-7VVC20	Los Angeles	77	A	Valley View Blvd. at Mountain View Rd.	-----	3/14/50	Elc. & Mach. Serv., Inc.	Signals	2,095	148	2,243
7XMC2	Los Angeles	77	Alh, SGb	Various Locations	-----	11/12/46	C. D. Draucker, Inc.	Signals	57,226	-----	57,226
0-7VC101	Los Angeles	77	EMte, A	Bet. San Bernardino Rd. & Rte. 26	1.1	1/12/49	M. S. Mecham & Sons & Boddum & Peterson	Gr., P.M.S. on I.S.M. & U.R.B.	188,236	23,098	211,334
0-7VC104	Los Angeles	77	EMte, A	Bet. San Bernardino Rd. & Garvey Ave.	-----	1/20/49	Prescott Elc. & Mfg. Co.	Signals & Lights	14,957	1,785	16,742
7VC65	Los Angeles	77	SGb, A EMte	Bet. San Gabriel Blvd. & Hoyt Ave.	-----	3/17/48	Elc. & Mach. Serv., Inc.	Signals	35,338	2,100	37,438
52-7VC7-P	Los Angeles	77	SGb	At Isabel Ave. & Walnut St.	-----	5/16/51	Clinton Elc. Corp.	Signals	6,066	537	6,603
52-7V28	Los Angeles	77, 167	SGb, A, MonP	Bet. E. C. L. & W. C. L. of San Gabriel & Bet. Anaheim-Telegraph Rd. & Garvey Ave.	-----	3/6/52	Day Labor	Asphalt Subsealing	18,535	-----	18,535
53-7VC3	Los Angeles	77	SGb	Bet. W. C. L. & E. C. L.	1.2	4/1/52	Vido Kovacevich Co.	Widen & P.M.S. on U.R.B.	58,050	5,812	63,862
0-7VC66	Los Angeles	79	B	Bet. Saugus & Rte. 4	2.3	4/1/48	Smith-Edmondson Co.	Gr. & P.M.S.	28,856	2,827	31,683
7V145	Los Angeles	155	A	Decker Canyon Rd.	4.2	6/9/49	Day Labor	B.S.T. & Extend Culverts	13,895	-----	13,895
53-7V16	Los Angeles	156	A	At Mile 6.19	-----	9/29/52	Day Labor	Drainage	11,126	891	12,017
54-7VC27	Los Angeles	156	A	On Topanga Canyon Rd. near Topanga P. O.	-----	9/25/53	D. E. Higday	R.C. Pipe Culv. & Metal Ret. Wall	17,617	2,000	19,617
51-7VC4	Los Angeles	158	A, L.A	Bet. Ohio Ave. & Bolas St.	1.3	4/1/50	Jesse S. Smith	Gr. & P.M.S. on U.R.B.	44,237	4,649	48,886
7V112	Los Angeles	158	B	At Centinela Ave., Jefferson Blvd. S. & Jefferson Blvd. N.	-----	2/26/48	Day Labor	Chnlz.	5,784	-----	5,784

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-7VC112	Los Angeles	158	B. L.A	Bet. Playa St. & E. C. L. of Culver City	1.0	4/21/49	J. E. Haddock, Ltd.	Widen & Resurf with P.M.S.	$71,149	$6,637	$77,786
51-7VC52-P	Los Angeles	158, 174	B, ClC, B	Intrs. of Sepulveda Blvd. with Sawtelle Blvd. & Jefferson Blvd.-Playa St. & at Firestone Blvd. with Graham St.	-----	6/15/51	C. D. Draucker, Inc.	Signals & Lights	21,016	1,435	22,451
52-7V14	Los Angeles	158, 164	B, A	On Sepulveda Blvd at Centinella Ave.	-----	10/5/51	Day Labor	Revise Signals & Chnlz.	7,196	----------	7,196
7V141	Los Angeles	158	L.A	Wilson-East Channel near San Fernando Mission to Pacoima Wash	-----	12/30/48	City of Los Angeles	Storm Channel	45,000	----------	45,000
1-7VC152	Los Angeles	158	L.A	Bet. Sunset & Ventura Blvd.	7.5	5/3/50	Schroeder & Co.	P.M.S. on U.R.B.	194,134	19,018	213,152
52-7V37	Los Angeles	159	L.A	Bet. Magnolia Blvd. & Bluffside Dr.	-----	5/22/52	City of Los Angeles	Improve Blvd.	34,408	----------	34,408
7X62	Los Angeles	161, 168	A, C	On Colorado St. at Rosemead Blvd.	-----	7/30/46	Day Labor	Widen & Const. Div. Strip	6,189	509	6,698
7XC25-P	Los Angeles	161, 168, 9, 62	A,C, Azu	Various Locations	-----	11/26/46	Econolite Corp.	Signals & Lights	36,335	1,776	38,111
7VC40	Los Angeles	161, 9	Ada, Mnro, G	In the Cities of Arcadia & Monrovia	-----	6/30/47	Elc. & Mach. Serv., Inc.	Signals	42,542	94	42,636
1-7VC117	Los Angeles	161	Brb	Bet. W. C. L. of Burbank & Victory Blvd.	2.6	5/26/49	Schroeder & Co.	Resurf. with P.M.S.	64,869	3,999	68,868
7VV102	Los Angeles	161	Brb	Various Locations	-----	7/21/49	Day Labor	Signals & Chnlz.	5,579	----------	5,579
52-7VC26-P	Los Angeles	161	Mnro	On Huntington Dr., Bet. Shamrock Ave. & Mountain Ave.	0.3	1/7/52	Warren Southwest, Inc.	Gr., P.M.S. & Widen R.C. Br. & Apps.	38,909	11,065	49,974
53-14VC3	Los Angeles	161	Pas	Colorado Frwy., Bet Orange Grove Ave. & Holly St.	0.3	5/5/52	Guy F. Atkinson Co.	Gr., P.M.S. & R.C. OC.	232,445	22,000	254,445
51-14VC16	Los Angeles	161	Pas	Bet. San Rafael Ave. & Orange Grove Ave.	0.7	3/16/51	Guy F. Atkinson Co.	3 R.C. Brs. & Apps. & Alter R.C. Br.	3,483,301	200,000	3,683,301
53-7VC15	Los Angeles	161	Pas	Colorado Frwy. Bet. Ave. 64 & San Rafael Ave.	0.5	8/8/52	Guy F. Atkinson Co.	Gr., P.C.C., P.M.S., 2 R.C. UC. R.C. OC., R.C. Ped. UC.	919,035	82,000	1,001,035
54-7VC22	Los Angeles	161	Pas	Bet. the Orange Grove Ave. On-Ramp & Holly St.	0.2	8/24/53	Jannoch Nurseries	Roadside Development	15,891	1,500	17,391
53-7VC17	Los Angeles	161	Pas	Colorado Frwy. Bet. Ave. 64 & Holly St.	-----	8/14/52	Fischbach & Moore, Inc.	Lights & Signs	82,079	8,000	90,079
7XC30	Los Angeles	162	A	Bet. Doheny Dr. & La Brea Ave.	-----	5/9/47	C. D. Draucker, Inc.	Signals	68,126	3,829	71,955

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-7VC2	Los Angeles	162	L.A	Santa Monica Blvd., Bet. Seward St. & Gower St.	0.6	4/1/52	G. J. Payne Co., Inc.	P.M.S.	$16,703	$980	$17,683
7X100	Los Angeles	164	A	1.05 Mi. E'ly from Sepulveda Blvd.	-----	10/2/47	Day Labor	C.M.P. Culv.	6,080	169	6,249
7VC60	Los Angeles	164	A, Haw	Bet. Redondo Beach & Century Blvd.	-----	2/20/48	C. D. Draucker, Inc.	Signals	81,325	3,433	84,758
0-7VVC4	Los Angeles	164	A, Haw	Bet. 166th St. & 132d St.	-----	9/17/48	Econolite Corp.	Signals	28,201	1,558	29,759
51-7VC3	Los Angeles	164	A	Bet. Imperial Hwy. & Century Blvd.	1.1	4/1/50	Oswald Bros. Co.	Resurf. with P.M.S.	29,179	3,609	32,788
55-7VC6	Los Angeles	164, 165	Haw, L.A	In Hawthorne & Bet. Sta. 107 & Sta. 125	0.8	5/4/54	Vido Kovacevich Co.	P.M.S.	9,088	800	9,888
0-7VVC6	Los Angeles	164	Ing	On La Brea Ave.	-----	1/4/49	Elc. & Mach. Serv., Inc.	Signals	19,123	2,186	21,309
51-7VC28	Los Angeles	164, 174	Ing	Various Locations	-----	1/2/51	Elc. & Mach. Serv., Inc.	Signals	14,930	978	15,908
52-7VC8	Los Angeles	164	Ing. L.A, A	Bet. Freeman Blvd. & Sepulveda Blvd.	1.5	5/23/51	Oswald Bros. Co.	Gr. & P.M.S.	186,498	19,362	205,860
53-7VC45	Los Angeles	164	RdoB, Tor, A, Haw	Bet. 174th St. & Rosecrans Ave.	2.0	2/24/53	Gonzales & Puerta	Roadside Development	7,133	1,500	8,633
52-7VC22	Los Angeles	164	Tor, RdoB, A, Haw	On Hawthorne Ave. Bet. 174th St. & 137th St.	2.5	10/16/51	Oswald Bros. Co.	Gr. & P.M.S.	545,958	60,000	605,958
53-7VC33-P	Los Angeles	164	Tor, RdoB, A	Intrs. Hawthorne Ave. with 182d. St.	-----	11/26/52	Ed. Seymour	Signals & Lights	7,814	718	8,532
7VC46-P	Los Angeles	165, 167, 174	A, A SGt	Figueroa St. & Carson St., Atlantic Ave. & Rosecrans Ave. & Firestone Blvd. & Garfield Ave.	-----	10/2/47	Econolite Corp.	Signals & Lights	34,783	515	35,298
52-7VC23	Los Angeles	165, 168	A, A	At Intrs. Figureoa St. with Sepulveda Blvd. & Lakewood Blvd. with Gardendale St.	-----	12/13/51	Fischbach & Moore, Inc.	Signals & Lights	25,212	1,415	26,627
7XC21-F	Los Angeles	165	L.A	Bet. College St. & Bernard St.	0.3	8/17/46	J. E. Haddock, Ltd.	Gr. & P.C.C.	287,196	24,086	311,282
14XC19-F	Los Angeles	165	L.A	At Sunset Blvd.	-----	1/28/47	Winston Bros. Co.	R.C. Overcrossing	488,316	33,425	521,741
7XC30-F	Los Angeles	165	L.A	Bet. College St. & Bernard St.	0.3	3/27/47	Jannoch Nurseries	Landscape	17,615	2,404	20,019
7XMC12	Los Angeles	165	L.A	Bet. Bernard St. & Ave. 22	1.3	7/23/47	J. E. Haddock, Ltd.	Gr., P.M.S. & P.C.C.	263,629	18,291	281,920
7XMC13	Los Angeles	165	L.A	Bet. Bernard St. & Ave. 22	1.3	9/22/47	Huettig & Schromm	Landscape	19,599	----------	19,599
14VC47-F	Los Angeles	165	L.A	Harbor Parkway at Temple St.	-----	10/14/47	James I. Barnes Const. Co.	R.C. Undercrossing	353,101	27,925	381,026

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14VC55-F	Los Angeles	165	L.A	Arroyo Seco Parkway at Alpine St.	-----	5/14/48	G. W. Peterson	R.C. Overcrossing	$106,353	$9,385	$115,738
7V137	Los Angeles	165	L.A	Bet. 7th St. & Wilshire Blvd.	-----	11/17/48	City of Los Angeles	Open Street Connection	120,000	----------	120,000
0-7VC102	Los Angeles	165	L.A	Bet. Bartlett St. & Figueroa Terrace	0.2	1/12/49	Jesse S. Smith	Gr. & A.C.	102,227	12,316	114,543
7V150	Los Angeles	165, 205	L.A, Pas, L.A, SPas	On Arroyo Seco Parkway, Bet. Casteller St. & Bridewell Ave. OC.	-----	8/23/49	Day Labor	Refuge Areas	52,387	2,944	55,331
1-14VC95	Los Angeles	165	L.A	At 1st & 2d Sts.	-----	11/18/49	Oberg Bros. Const. Co.	2 R.C. Undercrossings	420,787	23,856	444,643
51-7VC1	Los Angeles	165	L.A	On Figueroa St. Bet. Marmion Way & Ave. 50	1.1	4/1/50	C. O. Sparks, Inc. & Mundo Engr. Co.	Resurf. with P.M.S.	15,289	2,604	17,893
51-7VC7	Los Angeles	165	L.A	Bet. Lomita Blvd. & I St. on S. Figueroa St.	1.2	5/8/50	Warren Southwest, Inc.	P.M.S. on I.S.M. & U.R.B.	55,911	6,657	62,568
1-14VC103-F	Los Angeles	165	L.A	At 3d St.	-----	6/10/50	Chas. MacClosky Co.	2 R.C. Brs.	335,569	44,500	380,069
51-14VC4-F	Los Angeles	165	L.A	At 4th St.	-----	8/24/50	W. J. Disteli	R.C.Br.	518,633	49,274	567,907
51-14VC12-F	Los Angeles	165	L.A	At 5th & at 6th St.	-----	12/8/50	Winston Bros. Co.	5 R.C. OC's. & 2 R.C. Ped. UC's.	973,739	78,500	1,052,239
51-7VC27	Los Angeles	165, 205	L.A, SPas, Pas	Bet. College St. & Glenarm St.	-----	12/22/50	Elc. & Mach. Serv., Inc.	Lights & Signs	50,884	3,463	54,347
51-14VC17-F	Los Angeles	165	L.A	At Wilshire Blvd.	-----	3/27/51	Webb & White	R.C. Br. & Apps.	355,075	42,000	397,075
52-7VC10-F	Los Angeles	165	L.A	Bet. 4th St. & Temple St.	0.6	6/14/51	Webb & White	Gr. & P.C.C.	623,128	71,000	694,128
52-7VC12-P	Los Angeles	165, 2	L.A	Bet. Temple St. & 3d St. & Bet. Grand Ave. & Los Angeles St.	-----	6/28/51	Ets-Hokin & Galvan, Inc.	Lights & Signs	114,508	5,802	120,310
53-14VC7-F	Los Angeles	165	L.A	On Harbor Frwy. at Eleventh & Twelfth Sts.	-----	7/2/52	Oberg Bros. Const. Co.	2 R.C. UC's., Gr., & A.C. on I.B.M. & C.T.B.	356,696	45,000	401,696
52-7V13	Los Angeles	165	L.A	Bet. Temple St. & 4th St.	-----	9/24/51	Day Labor	Signs & Stripes	6,850	11	6,861
52-14VC8-F	Los Angeles	165	L.A	On Harbor Frwy., at 7th, 8th, & 9th Sts.	-----	10/19/51	Oberg Bros. Const. Co.	R.C. OC., 3 R.C. UC's. & 2 R.C. Ramp Seps.	1,149,293	90,000	1,239,293
53-14VC10-F	Los Angeles	165	L.A	Harbor Frwy. at Pico & Venice Blvds.	-----	8/27/52	Oberg Bros. Const. Co.	Gr. A.C. on U.R.B. & 2 R.C. UC's.	458,581	56,000	514,581
53-7VC19-F	Los Angeles	165	L.A	Arroyo Seco Frwy. Bet. Sunset Blvd. & College St.	0.4	8/29/52	J. E. Haddock, Ltd.	Gr., P.C.C. & A.C.	535,338	52,000	587,338
53-7VC22	Los Angeles	165	L.A	Arroyo Seco Frwy. Bet. Sunset Blvd. & College St. & in the Four-Level Area	-----	9/5/52	A. S. Schulman Elc. Co.	Lights & Illum. Signs	39,533	3,500	43,033
53-7VC24-F	Los Angeles	165	L.A	Bet. Olympic Blvd. & Second St.	1.1	9/24/52	J. E. Haddock, Ltd.	Gr. P.C.C. on C.T.B., 19 Ret. Walls, & R.C. Ped. UC.	2,009,221	185,000	2,194,221
53-7VC37	Los Angeles	165	L.A	Harbor Frwy. Bet. Eleventh St. & Second St.	-----	12/15/52	C. D. Draucker, Inc.	Lights & Illum. Signs	128,226	3,500	131,726
54-7VC4-F	Los Angeles	165	L.A	On Harbor Frwy. Bet. Jefferson Blvd. & 21st St.	-----	7/8/53	Oberg Bros Const. Co.	Const. Sanitary Sewers, Storm Drains, Br. Abuts. & Ret. Walls	330,319	17,000	347,319

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-14VC4-F	Los Angeles	165, 173	L.A	On Harbor Frwy., at Olympic Blvd.	0.1	5/20/52	Oberg Bros. Const. Co.	R.C. Br. & Reconst. City Sts.	$321,694	$40,000	$361,694
7V168	Los Angeles	165, 205	L.A, SPas, Pas	Bet. College St. & Glenarm St.	-----	1/30/51	Day Labor	Signals	5,987	----------	5,987
7X55	Los Angeles	166	A	At Washington Blvd.	-----	4/13/46	Day Labor	Widen, Curbs & Stripes	5,471	28	5,499
0-14VC67-F	Los Angeles	166	A	Bet. La Verne Ave. & Eastland Ave.	0.9	9/15/48	Griffith Co.	Gr., P.C.C., P.M.S., 2 Con. & 1 Stl. Struct.	1,387,165	106,659	1,493,824
0-7VC106	Los Angeles	166, 167	A, A	On Santa Ana Frwy. at La Verne & Eastland Aves.	-----	2/3/49	Econolite Corp.	Signals & Lights	96,103	4,102	100,205
1-7VC140	Los Angeles	166	A	On Anaheim-Telegraph Rd., Bet. Hoefner Ave. & A. T. & S. F. UP.	1.5	12/15/49	Griffith Co.	Gr. & P.M.S.	57,262	9,302	66,564
7V154	Los Angeles	166	A	Bet. La Verne Ave. & Eastland Ave.	0.9	1/12/50	Day Labor	Signs, Stripes & Markings	7,320	----------	7,320
1-7VC150	Los Angeles	166	A	On Anaheim-Telegraph Rd. at Slauson Ave.	-----	4/4/50	Elc. & Mach. Serv., Inc.	Signals & Lights	7,122	232	7,354
1-14VC99	Los Angeles	166	A	Bet. Gage Ave. & Tweedy Lane	0.6	4/28/50	Macco Corp.	P.M.S., Stl. Br. & Apps.	252,261	29,500	281,761
51-7VC22	Los Angeles	166	A	Bet. La Verne Ave. & Eastland Ave.	0.6	11/17/50	Henry C. Soto Corp.	Roadside Development	21,338	2,230	23,568
51-7VC17-F	Los Angeles	166	A	Bet. Augusta Ave. & 0.1 Mi. E'ly of Rio Hondo	2.3	9/29/50	United Conc. Pipe Corp. & Ralph A. Bell	Gr., P.C.C. on C.T.S., P.M.S. on U.R.B. & 5 R.C. Structs. (2 Ped. OC's., 1 UC. & 2 OC's.)	1,607,197	178,000	1,785,197
51-7VC41-F	Los Angeles	166	A	Bet. 0.2 Mi. SE'ly of Washington Blvd. & Todd Ave.	1.5	3/9/51	United Conc. Pipe Corp., Ralph A. Bell, B. J. Ukropina, T. P. Polich, & Steve Kral	Gr., P.C.C. on C.T.S. over I. B.M., P.M.S. on U.R. B., R.C. UC. & Ped. OC., & Stl UP.	1,474,986	152,000	1,626,986
52-7VC21	Los Angeles	166	A	On Santa Ana Frwy. Bet. Todd Ave. & Lakewood Blvd.	-----	10/8/51	Fischbach & Moore, Inc.	Signals, Lights & Illum. Signs	122,832	12,000	134,832
52-7VC17-F	Los Angeles	166	A	On Santa Ana Frwy., Bet Todd Ave. & 0.2 Mi. SE'ly of Lakewood Blvd.	2.0	8/20/51	United Conc. Pipe Corp.	Gr., P.C.C. on C.T.S., R.C. & Stl. Br., R.C. Ped. UC., Sep., UC., & OH.	2,527,627	270,000	2,797,627
53-7VC13	Los Angeles	166	A	On Santa Ana Frwy. Bet. Orr & Day Rd. & Pioneer Blvd.	1.0	7/29/52	Ukropina, Polich, Kral	Gr., P.C.C. on C.T.S. & R.C. OH.	658,998	73,500	732,498
53-7VC18-F	Los Angeles	166	A	Santa Ana Frwy. Bet. 0.2 Mi. SE'ly of Lakewood Blvd. & Orr & Day Rd.	2.0	8/21/52	Ukropina, Polich, Kral	Gr., P.C.C. on C.T.S., P.M.S. on U.R.B., R.C. OC., R.C. Ped. OC.	96,842	96,000	1,059,842

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-7V21	Los Angeles	166	A	Bet. Lakewood Blvd. & Pioneer Blvd.	3.0	12/31/52	Day Labor	Signs & Stripes	$5,951	$43	$5,994
53-7VC28	Los Angeles	166	A	Santa Ana Frwy. Bet Lakewood Blvd. & Pioneer Blvd.	----	10/23/52	Newbery Elc. Corp.	Lights & Signs	35,524	3,700	39,224
53-14VC2-F	Los Angeles	166	A	On Santa Ana Frwy. Across San Gabriel Riv., 2 Mi. E. of Downey	----	4/18/52	United Conc. Pipe Corp.	R.C. Br. & App. Emb.	487,411	51,390	538,801
54-7VC33	Los Angeles	166, 167	A, A	At Interchange of Santa Ana Frwy. with Atlantic Blvd.	----	10/28/53	Fischbach & Moore, Inc.	Signals, Lights, Ramp & Chnlz.	71,977	8,900	79,877
7VC54	Los Angeles	167	A, Lyn	Atlantic Ave. at Carlin Ave., Broadway & Norton Rd.	----	1/21/48	C. D. Draucker, Inc.	Signals	12,274	395	12,669
7VC62	Los Angeles	167	A	At Jardine & Everington Sts.	----	2/20/48	Econolite Corp.	Signals	12,811	794	13,605
52-14VC15	Los Angeles	167	A	On L.A. Riv. Frwy., Across Del Amo Blvd. & Compton Cr. about 0.2 Mi. W. of Long Beach C.L.	----	1/15/52	R. M. Price Co.	R.C. UC., & R.C. Br. & Apps.	514,745	38,000	552,745
53-7VC5	Los Angeles	167	A, MonP	Bet. Anaheim-Telegraph Rd. & Garvey Ave.	4.1	4/25/52	Vido Kovacevich Co.	Widen & P.M.S.	170,690	18,266	188,956
53-7VC11	Los Angeles	167, 174	A, B	Intrs. Atlantic Blvd. with Bandini Blvd. & with Sheila St., & Firestone Blvd. with Pioneer Blvd.	----	6/11/52	Westates Elcl. Const. Co.	Signals & Lights	43,472	2,047	45,519
54-7VC23	Los Angeles	167, 170	A, A	Intrs. of Atlantic Blvd. with Washington Blvd. & Pioneer Blvd. with Alondra Blvd.	----	9/11/53	Fischbach & Moore, Inc.	Signals & Lights	21,689	800	22,489
51-7VC49-F	Los Angeles	167	LBch	Bet. Rte. 60 & 223d St.	2.5	5/31/51	Griffith Co.	Gr., P.C.C. on C.T.S. over I.B.M., P.M.S. on U.R.B. over I.B.M., & R.C. Gr. Sep.	1,432,290	152,000	1,584,290
51-7VC55	Los Angeles	167	LBch	Bet. State St. & 223d St.	----	6/28/51	Fischbach & Moore, Inc.	Lights & Illum. Signs	76,645	6,000	82,645
52-14VC18-F	Los Angeles	167, 175	LBch	Across Los Angeles Riv. Frwy. at Artesia St.	0.3	4/18/52	J. E. Haddock, Ltd.	R.C. OC. & Apps.	377,905	36,000	413,905
7V170	Los Angeles	167	LBch	Vicinity of Willow St.	----	3/12/51	Day Labor	Drainage	29,468	----	29,468
7V171	Los Angeles	167	LBch	Vicinity of State St.	----	3/14/51	Day Labor	Pump & Drainage	37,421	----	37,421
53-7VC44	Los Angeles	167	LBch	Bet. Rte. 60 & 223d St.	2.5	2/6/53	Jannoch Nurseries	Planting	19,598	4,300	23,898
7XMC8	Los Angeles	167	Lyn, SGt	In the Cities of Lynwood & South Gate	----	6/26/47	Econolite Corp.	Signals	31,156	----	31,156
7V144	Los Angeles	167	Lyn, SGt	Bet. Lynwood & South Gate	2.9	5/2/49	Day Labor	Subseal	6,379	----	6,379
1-7VC122	Los Angeles	167	Lyn, SGt	Bet. S. C. L. & Patata St.	1.7	6/7/49	C. O. Sparks, Inc., & Mundo Engr. Co.	Resurf. with P.M.S.	48,759	3,483	52,242
54-7VC26	Los Angeles	167	MonP, Alh	On Atlantic Blvd. Bet. Garvey Ave. in Monterey Park & Valley Blvd. in Alhambra	0.8	9/25/53	J. E. Haddock, Ltd.	Gr. & A.C. on U.R.B.	174,737	1,000	175,737

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-7VC35-P	Los Angeles	167	MonP, Alh	On Atlantic Blvd. Bet. Garvey Ave. & Valley Blvd.		11/2/53	Drury Electric Co.	Signals & Lights	$25,709	$1,800	$27,509
0-7VC114	Los Angeles	167	SGt, A	At Patata St.		5/6/49	Vido Kovacevich Co.	Drainage Facilities	14,458	1,629	16,087
7XC28	Los Angeles	167	Var.	Various Locations		1/22/47	R. E. Ziebarth	Signals	52,506	1,101	53,607
7XC35	Los Angeles	168	A	On Lakewood Blvd., Bet. Spring St. & Conant St.	0.7	5/20/47	Jesse S. Smith	Reconstruct & P.M.S. Shldrs.	29,625	1,471	31,096
0-7VC94	Los Angeles	168	A, B	Bet. Bellflower Blvd. & Beverly Blvd.	5.9	11/19/48	Vido Kovacevich & Vido Kovacevich Co.	Gr. & P.M.S. on U.R.B.	572,544	49,767	622,311
0-7VC98	Los Angeles	168	A, B	Bet Firestone Blvd. & Whittier Blvd.		12/23/48	Econolite Corp.	Signals & Lights	54,979	2,655	57,634
51-7VC44	Los Angeles	168	A, LBch	Bet. Carson St. & Center St.	3.7	4/24/51	M. S. Mecham & Sons	Base & P.M.S.	147,679	9,090	156,769
52-7V23	Los Angeles	168	A	At Intrs. of Lakewood Blvd. & Gardendale St.		1/16/52	Day Labor	Channelization	11,993		11,993
52-7VC28	Los Angeles	168	A	At Intrs. Lakewood Blvd. with Candlewood St., Hardwick St., & Del Amo Blvd.		1/16/52	Fischbach & Moore, Inc.	Signals & Lights	46,652	1,712	48,364
52-7VC38	Los Angeles	168	A	On Lakewood Blvd. Across Flood Control Channel at Del Amo Blvd.		4/18/52	Concrete Constr. Service Inc.	R.C. Culv.	50,718	2,901	53,619
53-7VC59	Los Angeles	168	A	At Intrs. of Lakewood Blvd. with South St.	1.6	6/1/53	Griffith Co.	Gr. & A.C. on U.R.B.	12,522	1,300	13,822
54-7VC14	Los Angeles	168	A	On Lakewood Blvd. Bet. Center St. & Gardendale St.	1.6	8/4/53	Sheets Const. Co.	Widen with A.C. on U.R.B.	185,398	21,500	206,898
54-7VC25	Los Angeles	168	A	On Lakewood Blvd. at Center St., Compton Blvd., Rosecrans Ave. & at Gardendale St.		9/14/53	Westates Electrical Construction Co.	Modify Signals & Lights	30,907	3,000	33,907
7VC20	L. A., Ora	168, 60	B, SlB	At Intrs. of Rosemead & Washington Blvds., Coast Hwy. with Main St. & with Bay Blvd.		6/24/46	Econolite Corp.	Signals	22,587	1,338	23,925
0-7VC115	Los Angeles	168	B, C	Bet. Beverly Blvd. & Garvey Ave.	4.3	5/12/49	J. E. Haddock, Ltd.	Gr., P.C.C. & A.C.	509,159	65,931	575,090
0-7VC128	Los Angeles	168	B, C	On Rosemead Blvd. Bet. Beverly Blvd. & Garvey Ave.		6/24/49	V. D. Draucker, Inc.	Signals & Lights	43,922	2,178	46,100
53-7VC34	Los Angeles	168, 170	B, A	Intrs. Lakewood Blvd. with Gallatin School House Rd. & Norwalk Blvd. with Washington Blvd.		11/28/52	Westates Elcl. Const. Co.	Signals & Lights	29,030	3,000	32,030
53-7V20	Los Angeles	168	B	At Washington Blvd.		12/15/52	Day Labor	Signals	6,247	25	6,272

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
7XC15-F	Los Angeles	168	C	On Rosemead Blvd., Bet. Huntington Dr. & Colorado St.	1.1	3/29/46	Griffith Co.	Gr. & A.C.	$122,380	$14,987	$137,367
7XC32	Los Angeles	168	C	On Rosemead Blvd. at Broadway	-----	5/1/47	Prescott Elc. & Mfg. Co.	Signals	8,938	529	9,467
0-7VC86	Los Angeles	168	C	Bet. Longden Ave. & Huntington Drive	1.2	8/5/48	Vido Kovacevich	Resurf. with P.M.S.	64,333	7,746	72,079
0-7VC90	Los Angeles	168	C	At Longden Ave. & Duarte Rd.	-----	9/13/48	Econolite Corp.	Signals & Lights	19,412	554	19,966
1-7VC156-F	Los Angeles	168	C, EMte	Bet Garvey Ave. & Valley Blvd.	1.4	5/19/50	Vido Kovacevich Co.	Gr., P.C.C. & P.M.S. on C.T. B. 1 Stl. UP. & 2 R.C. Brs.	791,330	74,212	865,542
51-7VC10	Los Angeles	168	C	Ramona Frwy. Interchange Area	-----	7/26/50	Newberry Elc. Corp.	Lights	10,516	1,039	11,555
51-7VC47	Los Angeles	168	C	At California St.	-----	4/24/51	Paul R. Gardner	Signals & Lights	11,238	284	11,522
53-7VC35	Los Angeles	168	C, EMte	Bet. Garvey Ave. & Valley Blvd.	1.4	11/28/52	Jannoch Nurseries	Roadside Development	18,008	4,000	22,008
7V175	Los Angeles	168	LBch	Lakewood Blvd. at 23d St.	-----	5/21/51	City of Long Beach	Signals, Lights & Chnlz.	2,859	----------	2,859
7XC20	Los Angeles	170	A	Bet. Sixth St. & 0.4 Mi. N. of Imperial Hwy.	1.0	7/27/46	Cox Bros. Const. Co.	Repair with P.M.S. & Widen Shldrs.	16,741	1,648	18,389
7X64	Los Angeles	170, 174	A, B	At Firestone Blvd. & San Antonio Dr.	-----	8/9/46	Day Labor	Widen & Channelize	10,130	835	10,965
7XC23	Los Angeles	170	A	Bet. Sproul St. & Anaheim-Telegraph Rd.	1.5	10/9/46	Griffith Co.	P.M.S.	22,686	2,731	25,417
0-7VC70	Los Angeles	170	A	Bet Norwalk Blvd. & Orange-Thorpe Ave.	1.9	4/1/48	Sully-Miller Contr. Co.	P.M.S.	32,032	2,139	34,171
0-7VVC7	Los Angeles	170	A	On Norwalk Blvd. at Carson St. & Imperial Hwy.	-----	1/7/49	Tri-Cities Elc. Serv., Inc.	Signals & Lights	18,192	1,014	19,206
1-7VC113	Los Angeles	170	A	Bet. Orangethorpe Ave. & Firestone Blvd.	3.4	4/21/49	John J. Swigart Co.	P.M.S.	49,695	4,302	53,997
1-7VVC17	Los Angeles	170	A	Pioneer Ave. at Orangethorpe Ave. & Norwalk Blvd. at Anaheim-Telegraph Rd.	-----	10/15 49	Westates Elcl. Const. Co.	Signals & Lights	18,753	680	19,433
53-7VC14	Los Angeles	170	A	Bet. Washington Blvd. & Flory Dr.	0.5	7/25/52	J. E. Haddock, Ltd.	Widen & A.C.	124,472	12,439	136,911
53-7VC29	L. A, Ora	170, 178, 175	B, A, B	Intrs. Valley Blvd. with 3d Ave., Carson St. with Woodruff Ave.; & Orangethorpe Ave. with Lemon St.	-----	10/23/52	Fischbach & Moore, Inc.	Signals & Lights	31,300	2,515	33,815
7V121	Los Angeles	170	Wit	Bet. Whittier Blvd. & Holbrook Ave.	-----	4/16/48	Day Labor	Widen & Pave	8,000	----------	8,000
52-7VC16	Los Angeles	172	A, MonP Mtbl	On Pomona Blvd. Bet. Ferris Ave. & Potrero Grande Dr.	2.3	7/27/51	Boddum & Peterson	Gr. & A.C.	328,555	29,517	358,072

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
7VC64	Los Angeles	173	A	Bet. Indiana St. & Anaheim-Telegraph Rd.	-----	2/27/48	Elc. & Mach. Serv., Inc.	Signals	$23,125	$686	$23,811
7VC56-P	Los Angeles	173	L.A. SMca	Bet. Lincoln Blvd. & Bundy Dr.	2.3	2/2/48	J. E. Haddock, Ltd.	Gr., P.C.C. & A.C.	865,767	57,102	922,869
7VC79	Los Angeles	173	L.A SMca	Bet. Lincoln Blvd. & Bundy Dr.	-----	6/10/48	C. D. Draucker, Inc.	Signals	49,272	1,164	50,436
51-7VC8	Los Angeles	173	L.A	On Olympic Blvd. Bet. Lemon St. & Boyle Ave.	0.7	4/28/50	Griffith Co.	Resurf. with P.M.S.	17,649	1,927	19,576
1-7VVC14	Los Angeles	173	SMca	On Olympic Blvd. Bet. 11th St. & Cloverfield Blvd.	-----	9/19/49	Elc. & Mach. Serv., Inc.	Lights	8,775	526	9,301
54-7VC20	Los Angeles	174	A, Ing	In & Adjacent to the City of Inglewood at Intrs. of Manchester Blvd. with Florence Ave. & with Hindry Ave.	-----	8/24/53	C. D. Draucker, Inc.	Modify Signals	7,888	790	8,678
54-7VC10	Los Angeles	174	A, L.A, Ing	On Manchester Blvd. Bet. Osage Ave. & Freeman Ave.	0.6	7/17/53	Warren Southwest, Inc.	I.B.M., U.R.B. & P.M.S.	105,171	11,000	116,171
7XC29	Los Angeles	174	B	On Firestone Blvd., Bet. Hooper Ave & Sante Fe Ave.	-----	1/31/47	Prescott Elc. & Mfg. Co.	Signals	30,406	1,137	31,543
7XC31	L.A, Ora	174	B, A	On Firestone Blvd., Bet. Pioneer Blvd. & Lincoln Ave.	5.9	4/4/47	Jesse S. Smith	Resurf. with P.M.S.	86,691	5,950	92,641
1-7VC110	Los Angeles	174	B	Bet. Manchester Ave. & Calden Ave.	0.4	4/21/49	Griffith Co.	P.M.S.	10,052	833	10,885
1-7VC133	Los Angeles	174	B	Bet. Lakewood Blvd. & Rosecrans	4.3	10/28/49	Basich Bros. Const. Co. & Basich Bros.	Gr., Widen, P.M.S. & R.C. Br.	450,086	59,239	509,325
1-7VC134	Los Angeles	174	B	On Firestone Blvd. Bet. Woodruff Ave. & Bloomfield Ave.	-----	11/29/49	Elc. & Mach. Serv., Inc.	Signals & Lights	29,713	2,458	32,171
1-7VC141-F	Los Angeles	174	B	Bet. Rosecrans Ave. & Orange Co. Line	3.5	1/3/50	Peter Kiewit Sons' Co.	Gr., A.C. on C.T.B. & 3 R.C. Brs.	676,095	67,755	743,850
1-7VC143	Los Angeles	174	B	On Firestone Blvd. Bet. Roescrans & Valley View	-----	1/23/50	C. D. Draucker, Inc.	Signals & Lights	23,952	1,848	25,800
51-7VC5	Los Angeles	174	B	On Firestone Blvd. Bet. Central Ave. & Ivy St.	1.3	4/1/50	C. O. Sparks, Inc. & Mundo Engr. Co.	P.M.S.	29,519	2,459	31,978
51-7VC24	Los Angeles	174	B	At Paramount Blvd., La Reina Ave., Downey Ave., & Church St.	-----	12/5/50	Fischbach & Moore of Calif., Inc.	Signals	9,765	817	10,582
53-7VC49	Los Angeles	174	B	Intrs. Firestone Blvd. with Studebaker Rd.	-----	3/9/53	Westates Elct. Const. Co.	Signals & Lights	15,600	1,600	17,200
54-7VC39	Los Angeles	174	B	Bet. Rosecrans Ave. & Luitwieler Ave.	3.1	11/25/53	D & M Sprinkler Co.	Roadside Development	3,640	600	4,240
54-7VC65	Los Angeles	174	B	Intrs. Firestone Blvd. with Woodruff Ave.	-----	4/19/54	C. O. Sparks, Inc., & Mundo Engr. Co.	Gr. & A.C. on U.R.B.	4,410	400	4,810

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-7VVC15	Los Angeles	174	Ing	On Manchester Blvd.	-----	9/28/49	Elc. & Mach. Serv., Inc.	Signals	$6,889	$518	$7,407
53-7VC4-P	Los Angeles	174	Ing	On Manchester Blvd., Bet. Crenshaw Dr. & Van Ness Ave.	0.8	4/1/52	Warren Southwest, Inc.	Gr. & P.M.S. on I.B.M. & U.R.B.	48,496	9,000	57,496
53-7VC27-P	Los Angeles	174	Ing	Intrs. of Manchester Blvd. with Inglewood Ave. & with Grevillea Ave.	-----	10/23/52	Westates Elcl. Const. Co.	Signals	4,649	576	5,225
54-7VC32	Los Angeles	174, 60 158	L.A	Manchester Blvd. Bet. Lincoln Blvd. & near Osage Ave.	1.3	10/20/53	Jesse S. Smith	Intrs. Chnlz.	78,298	7,800	86,098
0-7VC93	Los Angeles	174	SGt B	Bet. L. A. River & Paramount Blvd.	1.9	10/22/48	Cox Bros. Const. Co.	Resurf. with P.M.S. on U.R.B.	103,075	11,115	14,190
0-7VC103	Los Angeles	174	SGt	Firestone Blvd. Apps. to L. A. Riv. Br.	0.6	1/12/49	O'Brien & Bell Const. Co.	Gr. & P.C.C.	153,461	15,481	168,942
51-7VC35-P	Los Angeles	174	SGt	At Rayo Ave.	-----	1/24/51	Fischbach & Moore of Calif., Inc.	Signals, Lights & Chnlz.	20,142	2,566	22,708
52-7V20	Los Angeles	174	SGt	Along Rayo Ave. & across Firestone Blvd.	-----	12/27/51	City of South Gate	Storm Drain	8,100	----------	8,100
53-7VC47	Los Angeles	175	A, Com	Intrs. Artesia St. with Alameda St.	-----	3/9/53	Westates Elcl. Const. Co.	Signals, Lights & Chnlz.	23,970	1,156	25,126
53-7VC41	Los Angeles	175	A, Com LBch	On Artesia St., Bet. Alameda St. & Long Beach Blvd.	0.8	1/26/53	M. S. Mecham & Sons	Gr., A.C. on U.R.B.	202,060	23,000	225,060
53-7VC10	Los Angeles	175	B	On Artesia Ave., Bet. E.C.L. of Long Beach & Palo Verde Ave.	2.5	6/5/52	Warren Southwest Inc.	Gr., P.M.S. & Base	462,836	41,753	504,589
53 7VC12	Los Angeles	175	LBch	On Artesia St. Bet. Long Beach Blvd. & E.C.L.	2.4	7/23/52	M. S. Mecham & Sons	Gr., U.R.B., A.C. & Seal	358,964	40,000	398,964
53-7VC55	Los Angeles	175	RdoB, ManB, A	On Redondo Beach Blvd. Bet. Pier Ave. & Inglewood Ave.	-----	4/22/53	C. D. Draucker, Inc.	Signals & Lights	43,657	4,300	47,957
53-7VC50	Los Angeles	175	RdoB, B ManB	Bet. Pier Ave. & Inglewood Ave.	1.2	3/16/53	J. A. Thompson & Son	C.T.B. & P.M.S.	146,716	16,000	162,716
7X94	Los Angeles	178	A	Bet. Charlemagne Ave. & Bellflower Blvd.	-----	6/23/47	Day Labor	Storm Drains	6,000	----------	6,000
1-14VC82	Los Angeles	178	A	Across San Gabriel River	0.5	4/8/49	R. M. Price Co., & O. B. Pierson	2 Stl. Brs. & Apps.	296,308	31,640	327,948
1-7VVC22	Los Angeles	178	A	Carson St. at Clark Ave.	-----	4/26/50	Westates Elcl. Const. Co.	Signals & Lights	8,633	447	9,080

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-14VC5	L.A, Ora	179	A, A	Across San Gabriel Riv. Abt. 2 Mi. E'ly of Long Beach		6/25/53	Owl Truck & Const. Co.	Extend R.C. Br. Apps.	$93,617	$10,270	$103,887
7V132	Los Angeles	205	L.A	On Arroyo Seco Parkway		7/26/48	Day Labor	Safety Devices	42,833	713	43,546
0-7VC100	Los Angeles	205	L.A, SPas	On Arroyo Seco Parkway	3.2	1/7/49	Alcorn Fence Co.	Chain Link Fence	23,809	2,311	26,120
0-7VC105-P	Los Angeles	205	SPas, Pas	On Arroyo Seco Parkway, at Fair Oaks Ave. & at State St.		1/20/49	J. E. Haddock, Ltd.	Gr. & P.M.S. Off-Ramp	23,607	3,345	26,952
0-7VC116	Los Angeles	205	SPas	On Arroyo Seco Parkway, at Orange Grove Ave. & Fair Oaks Ave.		5/21/49	Elc. & Mach. Serv., Inc.	Lights	6,044	589	6,633
1-7VC137	Los Angeles	213	SFr, L.A	Bet. Pacoima Cr. & Sayre Ave.	1.6	12/2/49	Vido Kovacevich Co.	Gr. & A.C. on C.T.B.	240,368	27,131	267,499
7XC26	L.A, Ora	Various		Various Locations		12/2/46	Econolite Corp.	Signals	45,247	2,036	47,283
7VC52	L.A, Ora	Various		Various Locations		12/18/47	Tri-Cities Elc. Serv.	Signals & Lights	29,633	1,290	30,923
0-7VVC3	Los Angeles	Various		Various Locations		8/5/48	Tri-Cities Elc. Serv.	Signals & Lights	45,215	2,835	48,050
7ASC14	Los Angeles	Access	L.A, LBch	Term. Is. Frwy. Bet. Henry Ford Ave. & Willow St.	2.1	4/18/46	Macco Const. Co.	Gr. & A.C.	1,253,808	2,054	1,255,862
14ASC2	Los Angeles	Access	L.A	On Term. Is. Frwy. over Union Pacific R.R.		4/18/46	Macco Const. Co.	Stl. OH.	719,902		719,902
14ASC3	Los Angeles	Access	L.A	Over Tracks of U.P., S.P. & P.E. at Anaheim St.		4/18/46	E. W. Elliott Const. Co.	Stl. OH.	937,111		937,111
14ASC4	Los Angeles	Access	L.A	On Anaheim St. at Nicholson Ave.		6/3/46	Oberg Bros.	Stl. OH. & Apps.	317,450		317,450
53-14DC1	Los Angeles	FAS 635		Across San Gabriel Riv. & S.P. R.R. Tracks, on Washington Blvd. abt. 2.5. Mi. W. of Whittier	0.3	11/28/52	Ukropina, Polich, Kral	2 R.C. Brs. & Apps.	378,067	3,021	381,088
53-14DC5	Los Angeles	FAS 636		Across San Gabriel Riv., on Imperial Hwy.		8/23/51	Chas. MacClosky Co.	R.C. Br.	202,926	560	203,486
51-14DC11-P	Los Angeles	FAS 737		Across San Gabriel Riv. on Orangethorpe Ave.		6/28/51	Oberg & Cook	R.C. Br.	176,669	158	176,827
51-14DC9-P	Los Angeles	FAS 751		Across San Gabriel Riv. on Spring St.		5/4/51	Chas. MacClosky Co.	R.C.Br.	183,597	291	183,888
14DC35	Los Angeles	FAS 825		Across N. Fork of San Gabriel Riv.		4/9/48	Norman I. Fadel	Stl. Br.	367,673	2,817	370,490
14DC24	Los Angeles	FAS 830		Across Santa Clara Riv. & S.P. R.R.		7/31/47	Bent Const. Co.	Stl. Br.	221,156	3,139	224,295

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14DC51	Los Angeles	FAS 834		Across Compton Cr. Channel on Santa Fe Ave.		7/29/49	Geo. W. Peterson & Jack W. Baker	R.C. Br.	$185,812	$428	$186,240
52-14DC2	Los Angeles	FAS 835		Across San Gabriel Riv. on Center St.		8/3/51	Lars Oberg	R.C. Br.	208,766	871	209,637
14DC22	Los Angeles	FAS 838		Across Los Angeles Riv. at Florence Ave.	0.3	8/29/47	H. B. Nicholson	R.C. Br. & Apps.	380,266	12,600	392,866
14DC64	Los Angeles	FAS 838		Across San Gabriel Riv. on Florence Ave.		1/20/50	Davies, Keusder, & Brown	R.C. Br.	206,626	363	206,989
52-14DC6-P	Los Angeles	FAS 838		Across Rio Hondo, on Florence Ave.		8/30/51	E. G. Perham	Stl. & R.C. Br.	273,097	796	273,893
14DC58	Los Angeles	FAS 840		Across San Gabriel Riv. on Rosecrans Ave.		10/11/49	John Strona	R.C. Br.	206,774	365	207,139
53-7DC2	Los Angeles	FAS 840		On Rosecrans Ave. Bet. San Gabriel Riv. & Lakewood Blvd.	1.8	2/27/53	Vido Kovacevich Co.	Gr., & P.M.S. on U.R.B.	151,884		151,884
51-14DC8-P	Los Angeles	FAS 845		Across San Gabriel Riv. on Beverly Blvd.		3/27/51	Chas. MacClosky Co.	R.C. & Stl. Br.	259,920	512	260,432
52-14DC3	Los Angeles	FAS 845		Across Rio Hondo on Beverly Blvd.		8/3/51	John Strona	R.C. & Stl. Br.	363,367	2,526	365,893
14DC49	Los Angeles	FAS 849		Across Santa Fe Dam Outlet		4/14/49	C. B. Tuttle Co.	R.C. Br.	64,829	510	65,339
14DC50	Los Angeles	FAS 852		Across San Gabriel Riv. on Valley Blvd.	0.5	6/9/49	W. J. Disteli	Stl. Br. & Apps.	574,588	2,455	577,043
53-7DC3	Los Angeles	FAS 852		On Valley Blvd. Bet. Puente Ave. & Hudson Ave.	2.1	5/15/53	J. E. Haddock, Ltd.	P.C.C. Base & P.M.S.	140,325	10,880	151,205
	Los Angeles			Various Locations				Minor Contracts & D. L. Projects	262,692		262,692
6TC10F	Madera	4	A	Bet. San Joaquin Riv. & Arcola School	7.1	1/15/48	Harms Bros.	Gr. & P.M.S. on C.T.B. & U.R.B.	974,094	74,565	1,048,659
52-6TC1	Madera	4	A, Med	Bet. Cottonwood Cr. & the N.C.L. of Madera	4.1	4/ 2/51	P. J. Moore & Son	P.M.S. & U.R.B.	80,253	9,024	89,277
52-6TC2	Mad, Fre	4	A, C; A, C	See Fresno County							
53-6TC5	Madera	4	A	Bet. Arcola School & Madera	2.2	8/25/52	Baun Const. Co.	Xovers & Connections to be Graded, I.B.M., P.M.S. & Fence	87,566	12,838	100,404

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-6TC6	Mad, Fre	4	A, B; A, Fow, B	See Fresno County							
6T4	Madera	4	B, C	Bet. 7.8 Mi. N. of Madera & Merced Co. Line		3/19/46	Day Labor	Restore Oiled Borders	$10,767	$200	$10,967
1-6TC16-F	Madera	4	B	Bet. N. of Dry Cr. & N. of Berenda	2.7	4/20/49	Guy F. Atkinson Co.	Gr., P.M.S. & R.C. Br.	336,052	30,295	366,347
1-6TC20	Madera	4	B, C	Bet. 0.5 Mi. N. of Berenda & Califa	4.1	6/10/50	Guy F. Atkinson Co.	Gr., P.C.C. on C.T.B., & P.M.S. on U.R.B.	444,738	58,279	503,017
51-6TC3-F	Madera	4	B	Bet. 1.5 Mi. NW. of Madera & 0.3 Mi. N. of Dry Cr.	3.7	8/ 2/50	Guy F. Atkinson Co.	Gr., P.M.S., P.C.C., & R.C. Br.	393,900	51,191	445,091
0-14TC44	Mad, Fre	4	C, A	See Fresno County							
1-6TC21	Madera	4	C	At Califa Wye		6/28/50	R. O. Ferguson Co.	Lights	3,270	543	3,813
51-14TC16	Madera	32	A	Across Ash Cr. & Berenda Slough		10/ 3/50	Thomas Const. Co.	Repair & Surface 2 Timber Brs.	51,436	4,756	56,192
53-6TC2	Madera	32	A	Bet. 3.5 Mi. & 10.8 Mi. E. of Merced Co. Line	7.2	5/23/52	Volpa Bros.	Widen & P.M.S.	226,030	26,489	252,519
54-6TC5	Madera	32	A	Bet. Merced Co. Line & Califa (Pors.)	8.2	6/26/53	Volpa Bros.	Widen, I.S.M. & P.M.S. on U.R.B.	252,402	25,000	277,402
54-6TC1	Madera	124	A	Bet. Rte. 32 & S.C.L. of Chowchilla	2.5	4/ 1/53	Fredrickson & Watson Const. Co.	P.M.S.	36,851	6,042	42,893
54-14TC3-FP	Madera	126	A	At Cottonwood Cr. Abt. 3.4 Mi. S. of Madera	0.5	4/ 1/53	Thomas Const. Co.	R.C. Br., Gr., P.M.S. on C.T.B.	64,953	10,500	76,453
14-DGTC1	Madera	126	B	A.T. & S.F. Rwy. E. of Madera	0.6	3/26/48	Trewhitt-Shields & Fisher	Stl. Underpass & Apps.	128,662	26,196	154,858
51-6TC4-P	Madera	126	Mad	On Yosemite Ave. at D St.		8/31/50	Clinton Elc. Corp.	Signals & Lights	4,178	606	4,784
52-14DC10	Mad, Fre	FAS 560		See Fresno County							
14DC16	Mad, Fre	FAS 811		See Fresno County							
52-6DC3-P	Madera	FAS 811		On Firebaugh-Madera Rd., Bet. Firebaugh Br. & 3 Mi. E.	3.0	7/19/51	M. J. Ruddy & Son	Gr. & R.M.S. on U.R.B.	86,387	10,236	96,623
6DC12	Madera	FAS 864		On Robertson Blvd. Bet. Lincoln Rd. & State Rte. 32	5.5	7/28/48	Ted F. Baun	Gr. & P.M.S.	77,032	10,582	87,614
14DC11	Madera	FAS 962		Across Fine Gold Cr.	0.2	4/23/47	Dan Caputo	Stl. Br. & Apps.	74,573	6,327	80,900

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
6DC20	Madera	FAS 962		Across Little Fine Gold Cr.	0.5	9/ 8/49	W. C. Lefever & D. Gerald Bing	R.C. Br. & B.S.T. on Apps.	$37,698	$5,637	$43,335
51-14DC5-P	Madera	FAS 962		Across Kaiser Fk. & N. Fk. San Joaquin Riv.		11/20/50	C. C. Gildersleeve	2 R.C. Brs.	41,749	7,230	48,979
54-14DC11	Madera	FAS 1197		Across Ash Sl. Abt. 3 Mi. W. of Chowchilla		11/12/53	G. M. Carr Co. & Bati Rocca	R.C. Br.	51,645	1,000	52,645
	Madera			Various Locations				Minor Contracts & D.L. Projects	27,022		27,022
4T34	Marin	1	A	At Ignacio Wye		6/ 5/46	Day Labor	Signals	8,265	431	8,696
4T54	Marin	1	A	At Grant Ave. in Novato		1/22/47	Day Labor	Signals & Lights	7,290	432	7,722
4TC21	Mrn, Son	1	A, C	See Sonoma County							
4TC50	Marin	1	A	North of Novato	0.1	4/22/48	The California Wire Cloth Corp.	Chain Link Fence	623	175	798
0-4TC51	Marin	1	A	Bet. 1.6 Mi. N. of Novato & Ignacio	2.3	4/29/48	A. G. Raisch Co.	Resurf. with P.M.S.	67,931	6,894	74,825
1-4TC88	Marin	1	A, SRf, CMad, C	Bet. Ignacio & Richardson Bay Br.	4.3	7/12/49	A. G. Raisch Co.	P.M.S. & Outer Hwy.	250,543	23,855	274,398
51-4TC26-F	Marin	1	A	Bet. Ignacio & Forbes OH.	5.5	1/ 9/51	Granite Const. Co.	Gr., P.M.S. on C.T.B., 2 R.C. Brs. Repair Stl. OH., & Signals	1,135,603	207,617	1,343,220
53-4TC7	Marin	1	A	At San Pedro Rd. UP. near N.C.L. of San Rafael	0.9	4/14/52	Brown-Ely Co. Contractors	Gr., P.C.C. & P.M.S., & R.C. UC.	199,208	23,820	223,028
54-4TC38	Mrn, Son	1	A, C	Bet. Ignacio & 1.5 Mi. S. of Petaluma (Pors.)		11/ 2/53	J. Henry Harris	Chain Link Fence & Conc. Curbs	7,675	1,300	8,975
4TC33	Marin	1	C	Bet. San Rafael & Waldo	2.1	4/16/47	Lee J. Immel	A.C.	70,744	4,832	75,576
4TC60	Marin	1	C	At Greenbrae		6/23/48	Brown-Ely Co., Contrs.	Signals & Chnlz.	65,935	9,269	75,204
4T117	Marin	1	C	Bet. Sta. 248 & Sta. 262, 5 Mi. S. of San Rafael		7/ 1/49	Day Labor	Subdrains	11,208		11,208
4T119	Marin	1	C	On Richardson Bay Br. No. 27-10		10/ 4/49	Day Labor	Repair Surf. of R.C. Br.	10,721		10,721
4T120	Marin	1	C	At Greenbrae Intersection		10/ 4/49	Day Labor	Reconstruct Intersection	7,193		7,193
54-4T3	Marin	1	C	Bet. the Richardson Bay Br. & the Alto Intrs.		10/16/53	Day Labor	Chnlz. & Lighting	23,042		23,042
52-4TC16	Marin	1, 56	C, D, A	Bet. 0.6 Mi. N. of Alto Intrs. & Waldo (Por.)	1.4	9/25/51	Granite Const. Co.	P.M.S. on C.T.B., C.R.B., on Shldrs. & Sl. Cts.	223,661	41,480	265,141

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Tota
4TC27	Marin	1	D, C, A	Bet. Waldo & Ignacio	1.5	6/28/46	Brown-Ely Co.	Repair with A.C. & C.R.B. on Shldrs.	$64,196	$4,876	$69,072
0-4TTC3	Marin	1	CMad	At Corte Madera Intrs.	0.2	10/14/48	Baldwin, Staub Corp.	Widen, Signals & Lights	25,817	5,765	31,582
4T29	Marin	1	SRf, C	Bet. Sta. 97+90± & Sta. 42+50±	-----	12/26/45	Day Labor	Guard Rail	5,034	8	5,042
14TC18	Marin	1, Fdr	SRf	At Linden Lane	-----	2/13/47	Parish Bros. & Lew Jones Const. Co.	R.C., Gr. Separation & Apps.	250,014	28,182	278,196
51-4TC28	Marin	1	SRf	S'ly End of San Rafael Viaduct	-----	2/16/51	S & Q Const. Co.	Pump House & Sump Pump	25,164	2,482	27,646
52-4TC15-F	Marin	1	SRf, C	Bet. Myrtle Ave in San Rafael & Calif. Park OH.	2.0	9/21/51	A. G. Raisch Co. & Lew Jones Const. Co.	Gr., P.M.S., Lights, R.C. Br., & Widen R.C. Br.	1,114,421	145,142	1,259,563
14TC12	Marin	8	A	Across Novato Cr. Abt. 9 Mi. N. of San Rafael	-----	7/18/46	William B. Willett Co.	Repair Br.	5,752	516	6,268
0-4TC66	Marin	8	A	Bet. Ignacio Wye & Co. Line	3.1	12/ 3/48	Parish Bros.	Gr. & P.M.S. on C.T.B.	369,064	44,618	413,682
1-14TC58	Marin	8	A	Across Petaluma Cr.	-----	4/ 1/49	Evans Const. Co.	Redeck Br.	21,921	1,274	23,195
53-4T36	Marin	8	A	At Petaluma Cr. Br.	-----	5/ 7/53	Day Labor	Reconst. Portion of Br.	5,776	----------	5,776
54-4TC10	Marin	52	A	Bet. 2 Mi. E. of Alto Intersection & 0.1 Mi. W. of Belvedere	1.3	6/ 4/53	Brown-Ely Co. Contrs.	Gr., I.S.M., U.R.B. & P.M.S.	99,064	14,150	113,214
53-4TC8	Marin	56	A	At Dolans Corner Abt. 2.5 Mi. NW. of Sausalito	0.4	6/ 4/52	Brown-Ely Co. Contrs.	P.M.S. & C.R.B.	57,889	4,544	62,433
53-4T30	Marin	56	A	Near Mile 4.90 Bet. Tamalpais Rd. & Muir Beach (Pors.)	-----	2/11/53	Day Labor	Retaining Wall	8,271	431	8,702
54-4TC49	Marin	56	A	Bet. Tamalpais Rd. & Muir Beach (Pors.)	0.1	2/25/54	Ghilotti Brothers, Inc.	Gr. & P.M.S. on U.R.B.	13,393	1,400	14,793
53-4T12	Marin	56	A, B, C, D	Bet. Manzanita & the Sonoma Co. Line	-----	8/14/52	Day Labor	Drainage	32,993	654	33,647
52-4T15	Marin	69	A	Bet. Sta. 76+41 & 99+95	-----	11/ 5/51	Day Labor	Bank Protection	6,981	----------	6,981
1-4TC104	Marin	69	SRf, A	Bet. ½ Mi. & 1 Mi. E. of San Quentin Wye	-----	5/23/50	Carey Bros. Const. Co.	Dike	11,485	1,573	13,058
4DC9	Marin	FAS 879	----------	Bet. Point Reyes Sta. & 9 Mi. W. of Novato	9.9	4/22/48	A. G. Raisch Co.	Gr. & P.M.S. on I.B.	216,669	15,410	232,079
52-4DC4	Marin	FAS 879	----------	On Pt. Reyes Sta.-Novato Rd., Bet. 10 Mi. E. of Pt. Reyes Sta. & 6.2 Mi. W. of Novato	2.3	8/24/51	A. G. Raisch Co.	Gr. & P.M.S. on I.B.M.	96,563	8,637	105,200

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-4ANC1	Marin	Access	Tamalpais Park Hwy.	Bet. Pan Toll Jct. & West Peak	2.7	6/18/53	Brown-Ely Co. Contrs.	Gr. & B.S.T.	$82,734	$8,500	$91,234
	Marin			Various Locations				Minor Contracts & D.L. Projects	44,952		44,952
10T84	Mpa, Mer	18	A, I, A	See Merced County							
51-10TC7	Mpa, Mer	18	A, I, A	See Merced County							
52-10TC10	Mariposa	18	D	Bet. 1.9 Mi. N. of Mariposa & Acorn Inn	3.3	10/19/51	Eaton & Smith	P.M.S. on U.R.B. & Sl. Cts.	475,864	45,646	521,510
51-10BC1-F	Mariposa	18	E, F, G, H	Bet. Briceburg & Yosemite Nat'l Park	17.7	6/28/51	Piombo Const. Co.	Slope Protection & P.M.S.	1,256,856	78,741	1,335,597
52-10TC1	Mariposa	18	I	Bet. Cathay Jct. & 5 Mi. E'ly	5.0	6/ 5/51	Munn & Perkins	P.M.S. on U.R.B.	155,391	14,121	169,512
10T72	Mariposa	110	B	Bet. W'ly Boundary of Mariposa Co. & Coulterville	8.5	7/ 1/48	Day Labor	Gr. & Surface	24,996	2,494	27,490
10T75	Mariposa	110	B	Bet. Tuolumne Co. Line & Coulterville	9.0	7/ 1/49	Day Labor	Gr. & Pen. Tr.	39,989	4,382	44,371
10T80	Mpa, Tuo	110	B, B	See Tuolumne County							
10DC12	Mariposa	FAS 965		Bet. Coulterville & 2 Mi. NE'ly	2.0	6/12/50	Paul E. Woof	Gr., I.B.M. & Pen. Tr.	60,735	8,534	69,269
14DC26	Mariposa	FAS 966, 963		Bet. 17 Mi. W. of Mariposa & 12 Mi. E. of Mariposa		9/18/47	E. H. Peterson & Son	6 R.C. Brs.	79,377	9,514	88,891
	Mariposa			Various Locations				Minor Contracts & D.L. Projects	14,189		14,189
1TC15	Mendocino	1	B	Bet. Burke Hill & 1 Mi. N.	1.0	6/21/46	C. M. Syar	Repair with I.B.M. & P.M.S.	38,385	4,128	42,513
1TC19	Mendocino	1	B	Bet. Hopland & Crawford Ranch	6.6	4/ 8/47	Clements & Co.	P.M.S. & Sl. Ct.	159,023	14,376	173,399
1TC24	Mendocino	1	C, D	Bet. 1.5 Mi. S. & 3.5 Mi. N. of Forsythe Cr.	5.2	4/14/48	Guy F. Atkinson Co.	Gr., P.M.S. on C.T.B. & Stl. Br.	925,364	111,673	1,037,037
1T73	Mendocino	1	D	About 14 Mi. N. of Ukiah		10/ 4/49	Day Labor	Horizontal Pipe Drains	8,971		8,971
53-1TC12-F	Mendocino	1	D, E	Bet. 4.1 Mi. N. of Forsythe Cr. & Ridgewood Summit	4.9	6/22/53	McCammon-Wunderlich Co.	Gr. & Drainage Facilities	1,057,248	124,745	*1,181,993
1TC10	Mendocino	1	E	Bet. N.W.P.R.R. Underpass & 1.1 Mi. S. of Willits	2.0	6/ 9/45	A. R. McEwen	Repair with I.B. & P.M. B.M.	30,009	6,265	36,274

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1TC16-F	Mendocino	1	E	Bet. N.W.P.R.R. Crossing & N.W. P.R.R. Underpass	0.8	10/14/46	A. R. McEwen & C. M. Syar	Gr. & P.M.S. on C.T.B.	$145,670	$24,479	$170,149
52-1TC7	Mendocino	1	E	Bet. Northwestern Pacific UP. & Eleven Oaks	2.0	6/27/52	Pike & Hill, Carey Bros. & Bailey	Gr. & P.M.S. on C.T.B.	256,892	38,000	294,892
1TC14	Mendocino	1	F	Bet. Willits & 2.6 Mi. N'ly	2.6	5/10/46	C. M. Syar	P.M.S. on I.B.M.	74,473	8,303	82,776
52-1TC4	Mendocino	1	F	Abt. 1¼ Mi. N. of Willits	-----	8/ 9/51	Harms Bros.	Truck Scales & Apps.	28,023	4,005	32,028
54-1TC2	Mendocino	1	F	Bet. 0.6 Mi. S. of Outlet Cr. & Reeves Cr. Abt. 6 Mi. N. of Willits	4.8	6/ 2/53	Antioch Paving Co., Inc.	P.M.S. on C.T.B.	193,338	19,334	212,672
53-1T13	Mendocino	1	G	At Arnold Underpass	-----	9/12/52	Day Labor	Underdrains	14,163	----------	14,163
0-1TC22	Mendocino	1	H, I	Bet. 2.8 Mi. S. & 1.0 Mi. N. of Rattlesnake Summit	3.8	4/ 1/48	C. M. Syar	Gr. & P.M.S. on C.T.B.	117,317	13,137	130,454
1T67	Mendocino	1	H	Bet. Sta. 385+20 & Sta. 398+70	0.3	3/ 3/49	Day Labor	Realignment	7,892	366	8,258
1-1TC36	Mendocino	1	H	Bet. Sherwood Rd. & Sapp Cr.	8.4	4/ 1/49	Clements & Co.	P.M.S. on C.T.B.	304,985	18,873	323,858
53-1TC5	Mendocino	1	H	At Ten Mile Cr. Abt. 3 Mi. S. of Laytonville	0.3	6/11/52	Pike & Hill, Carey Bros. & Bailey	Gr. & R.M.S.	65,506	9,600	75,106
1TL8	Mendocino	1	I	Across Rattlesnake Cr.	-----	9/18/47	Day Labor	Repair Br.	16,871	----------	16,871
53-1TC6	Mendocino	1	I	At Rattlesnake Cr. Abt. 1 Mi. S. of Cummings Post Office	0.5	6/ 5/52	Eaton & Smith	R.C. Culv., Fill, & R.M.S.	546,502	57,000	603,502
14TC35	Mendocino	1	J	Across Rock Cr.	0.6	1/26/48	H. W. Ruby	Stl. Br. & Apps.	174,688	14,782	189,470
1T82	Mendocino	1	J	At Lane Flat	-----	3/ 9/51	Day Labor	Replace Conc. Culv.	18,403	1,188	19,591
1TC17-F	Mendocino	1	K	Bet. Red Mountain Cr. & Piercy	4.6	10/31/46	Oilfields Trucking Co. & Phoenix Const. Co.	Gr. & P.M.S. on C.T.B.	787,803	88,017	875,820
1T38	Mendocino	1	K	Across Red Mountain Cr.	-----	5/ 9/47	Day Labor	Repair Br.	11,904	----------	11,904
14TC27	Mendocino	1	K	Across Red Mountain Cr. & McCoy Cr.	-----	9/30/47	James H. McFarland	Repair 2 Brs.	28,338	3,068	31,406
53-1T19	Men, Lak	1, 48, 56, 16	L; A, B; A, B, C, D, E, F; A	Bet. 0.3 Mi. S. of Gualala & Westport; Bet. 17.5 Mi. E. & 10 Mi. W. of Boonville; 22.3 Mi. S. of Ukiah; & near Lakeport	-----	5/20/53	Day Labor	Culvs.	11,998	----------	11,998

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-1TC8	Mendocino	1	Uki	Bet. Smith St. & Low Gap Rd.	0.6	5/23/50	O. C. Jones & Son	Gr., P.C.C., P.M.S., R.C. Culv. & widen R.C. Br.	$231,139	$35,626	$266,765
53-1TC10-P	Mendocino	1	Uki	Intrs. of State St. with Perkins St. & Standley St.	-----	12/10/52	Sacramento Elc. Works	Signals	15,431	2,040	17,471
51-1TC9	Mendocino	1	Wlts	Bet. S.C.L. & N.C.L.	1.6	8/21/50	Harms Bros. & C. M. Syar	C.T.B., I.S.M. & P.M.S.	150,654	25,523	176,177
1T80	Mendocino	15	A	Across Russian Riv.	-----	11/22/50	Day Labor	Replace Timber Bents with Conc. on Stl. Br.	7,241	----------	7,241
14TLC9	Mendocino	16	A	Across Dooley Cr., 1 Mi. E. of Hopland	-----	4/22/46	F. Fredenburg	R.C. Br. & Apps.	41,367	4,547	45,914
1WLC5	Mendocino	48	A	At Red Bank Cr. & Lost Cr.	0.4	9/16/46	C. M. Syar	Gr. & I.B.M.	31,336	5,410	36,746
1-1TC37	Mendocino	48	A	Bet. Maple Cr. & 1.2 Mi. E'ly.	1.2	5/20/49	A. R. McEwen	Gr. & P.M.S.	118,286	21,822	140,108
51-14TC8	Mendocino	48	A	At Whitehall Cr. & Burger Cattlepass	0.2	6/ 5/50	Kenneth Whited	R.C. Culv., Cattlepass & Apps.	15,685	3,128	18,813
1W24	Mendocino	48	B	Across Anderson Cr.	-----	5/10/46	Day Labor	Repair Timber Br.	7,981	7	7,988
53-14TC1	Mendocino	48	B	Across Mill Cr., Abt. 11 Mi. NW. of Boonville	-----	4/ 1/52	R. E. Hertel	Repair Portion of Timber Truss Br.	16,917	2,291	19,208
53-1TC2	Mendocino	48	B, A	Bet. Boonville & 0.9 Mi. E. of Shearing Cr.	1.3	4/29/52	Arthur B. Siri, Inc.	Gr. & R.M.S.	130,587	25,173	155,760
53-14TC5	Mendocino	48	B	Across Indian Cr., Abt 5 Mi. NW. of Boonville	0.2	4/18/52	Transocean Engr. Co.	R.C. Br. & Apps.	123,824	14,000	137,824
14TC29-P	Mendocino	48, 56	C, C.D	Across Navarro Riv., 4 Mi. S. of Albion	0.8	11/ 6/47	Johnson Rock Co.	Stl. Br. & Apps.	330,685	50,517	381,202
54-14TC1	Mendocino	48	C	Across N. Fk. Navarro Riv. Abt. 17 Mi. NW. of Boonville	0.3	4/ 1/53	Transocean Engr. Corp.	R.C. Br. & Apps.	149,876	19,000	168,876
1WLC4	Mendocino	56	A	At Slick Rock Cr.	1.0	5/16/46	Piombo Bros. & Co.	Gr. & I.B.M.	118,949	17,029	135,978
0-1TC26	Mendocino	56	A	At St. Ores Cr., Abt. 11.5 Mi. S. of Point Arena	0.5	5/ 5/48	Arthur B. Siri, Inc. & Baldwin-Straub Corp.	Gr., R.M.S. & Culvs.	72,056	12,703	84,759
51-1TC1	Mendocino	56	A	Bet. Bacon Gulch & 0.3 Mi. N. of Signal Port Cr.	0.8	4/ 1/50	Arthur B. Siri, Inc.	Gr. & R.M.S. on I.B.M.	108,551	20,655	129,206
1WLC3	Mendocino	56	B	At Alder Cr. Abt. 7 Mi. N. of Point Arena	1.2	9/24/45	Guerin Bros.	Gr., Sl. Ct. & Stl. Br.	198,762	30,140	228,902
51-14TC6	Mendocino	56	B	Across Mallo Pass Cr. Abt. 8 Mi. S. of Elk	-----	5/ 5/50	Reed & Tuttle	Repair Timber Br.	20,308	6,234	26,542
52-1T14	Mendocino	56	C, D	Bet. Mallo Pass & Navarro Riv.	-----	4/11/52	Day Labor	Log Cribs, Widen Roadbed & Improve Drainage	16,748	3	16,751

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1WC8	Mendocino	56	D	Bet. Navarro Riv. & Mendocino	1.9	6/26/45	W. C. Railing	Repair with I.B.M. & Sl. Ct.	$29,789	$2,213	$32,002
0-14TC65	Mendocino	56	D	Across Big Riv.	-----	5/ 5/49	Metzger Co.	Repair Br.	81,105	5,076	86,181
1-14TC69-F	Mendocino	56	D	Across Salmon Cr., 0.6 Mi. S. of Albion	-----	6/22/49	Judson-Pacific-Murphy Corp.	Stl. Truss Br.	329,281	31,882	361,163
51-1TC2	Mendocino	56	D	At Salmon Cr., 0.6 Mi. S. of Albion	1.0	4/ 1/50	Arthur B. Siri, Inc.	Gr. & R.M.S. on C.T.B. & Sl. Cts. on Br. Apps.	110,575	20,915	131,490
14WLC38	Mendocino	56	E	Bet. Bromley Cr. & Fort Bragg	3.8	10/25/46	Guy F. Atkinson Co.	2 R.C. Brs. Gr. & P.M.S.	944,093	91,179	1,035,272
14WLC56-F	Mendocino	56	E	Across Noyo Riv.	-----	6/27/47	J. H. Pomeroy & Co., Inc.	Stl. Br. Superstructure	449,211	18,886	468,097
1WLC1	Mendocino	56	F	At Chadburn Cr., Abt. 13.4 Mi. N. of Fort Bragg	0.2	7/ 6/45	John Burman & Sons	Gr., I.B.M., Sl. Ct., & Culv.	19,313	3,476	22,789
1WLC2	Mendocino	56	F	At Blue Slide Gulch	0.2	8/28/45	John Burman & Sons	Gr., Surf., & R.C. Br.	70,324	11,516	81,840
1WLC7	Mendocino	56	F	At Kibbesillah Cr.	0.5	6/27/47	Arthur B. Siri	Gr. & R.M.S.	70,051	9,782	79,833
0-1TC28	Mendocino	56	F	At Virgin Cr.	0.3	6/ 7/48	John Burman & Sons	Gr., R.M.S. & Repair R.C. Br.	56,364	8,685	65,049
1T71	Mendocino	56	F	Vicinity of Ten Mile Riv.	-----	8/23/49	Day Labor	Truck Scales	6,985	----------	6,985
53-14TC16	Mendocino	56	F	Across Ten Mile Riv. Abt. 7.6 Mi. N. of Fort Bragg	-----	7/25/52	Le Boeuf-Dougherty Contracting Co.	Timber Detour Br.	39,423	2,032	41,455
53-1T12	Mendocino	56	F	At Ten Mile Riv.	-----	7/25/52	Day Labor	Detour Br. Connections	26,679	1,989	28,668
1TMC1	Mendocino	56	FBg	Bet. S.C.L. of Fort Bragg & Oak St.	0.2	6/ 8/48	Arthur B. Siri, Inc.	Gr. & R.M.S.	16,837	----------	16,837
52-1TC2	Mendocino	70	A	Across Middle Cr., 1.5 Mi. E. of Ukiah	-----	5/16/51	Arthur B. Siri, Inc.	Widen R.C. Br. & R.M.S. on C.T.B. on Apps.	35,365	6,296	41,661
14DGT15	Men, Ala	70, 69	A, A	At the N.W.P.R.R. Xing S. of Ukiah & at the S.P. Co. Xing at Centerville	-----	10/23/51	N.W.P.R. & S.P. Co.	Flashing Lights	15,761	----------	15,761
1DC3	Mendocino	FAS 505	----------	On Longvale-Covelo Rd., Bet. 1.5 Mi. & 5.4 Mi. E'ly of Dos Rios	2.9	3/26/47	N. M. Ball Sons	Gr.	179,634	18,524	198,158
53-1DC4	Mendocino	FAS 505	----------	Bet. 9.9 Mi. & 5.4 Mi. E'ly of Dos Rios	4.5	6/10/53	Cecil L. Moore	Gr. & Drainage	133,168	12,312	145,480
14DC30	Mendocino	FAS 979	----------	Across Morrison Cr., S. of Ukiah	-----	11/ 5/47	Kenneth Whited	R.C. Br.	13,544	534	14,078
1DC10	Mendocino	FAS 979	----------	Bet. Rte. 1 & Rte. 70	10.4	4/ 1/49	Nevada Constructors, Inc.	Gr., Prime & Sl. Ct.	176,932	18,979	195,911
1-1DC11	Mendocino	FAS 979	----------	Bet. Rte. 16 at Old Hopland & Largo	4.0	6/28/50	John Burman & Sons	Gr., I.B.M. & Sl. Cts.	88,784	12,862	101,646
52-1DC3	Mendocino	FAS 970	----------	On Ukiah-Boonville Rd., Bet. 2.9 Mi. & 4.8 Mi. W. of State Hwy. Rte. 1	1.9	5/23/52	C. V. Kenworthy	Gr.	140,996	13,968	154,964

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14DC36	Mendocino	FAS 982		Across Chamberlain Cr.		5/25/48	Evans Const. Co.	R.C. Br.	$27,181	$855	$28,036
1DC9	Mendocino	FAS 982		Bet. 5.8 Mi. & 7.4 Mi. E. of Noyo	1.6	8/ 5/48	A. G. Raisch Co., & Staring & Galbraith	Gr., 1.B.M. & Pen. Tr.	81,109	10,545	91,654
51-1DC1	Mendocino	FAS 982		Bet. 14 Mi. & 10 Mi. W'ly of Willits	4.0	8/14/50	John Burman & Sons	Gr. & C.M.P.	107,357	12,142	119,499
52-1DC2	Mendocino	FAS 982		On Willits-Ft. Bragg Rd., Bet. 10 Mi. W. of Willits & 6.9 Mi. W. of Willits	3.1	4/23/52	Macal Improvement Co., Inc.	Gr.	106,367	12,275	118,642
	Mendocino			Various Locations				Minor Contracts & D.L. Projects	72,497		72,497
10T25	Merced	4	A	0.4 Mi. S. of Merced		4/24/46	Day Labor	Improve Intersection	6,344	483	6,827
0-10TC31	Mer, Sta	4	A, C, A, B	Bet. Madera Co. Line & Salida		4/ 9/48	Louis Biasotti & Son	Barrier Post	48,560	4,512	53,072
1-10TC61-F	Merced	4	A	Bet. Dutchman Cr. & Lingard	6.5	6/10/50	Guy F. Atkinson Co.	Gr., P.M.S., P.C.C., & R.C. Br.	757,386	92,837	850,223
52-10TC4	Mer, Sta	4	A, Mer, C, A	Bet. Madera Co. Line & Keyes	23.4	7/19/51	Richard J. Repsher & Sons	Protective Screen Planting	35,633	4,310	39,943
52-10TC17	Merced	4	A, Mer	Bet. 5.6 Mi. S. of Merced & Merced	5.6	6/25/52	Fredrickson & Watson Const. Co.	P.M.S. on U.R.B.	294,519	35,000	329,519
53-10TC13	Merced	4	A	Bet. Gerard Ave., & Parsons St. Frontage Rd.	0.4	12/26/52	Fredrickson & Watson Const. Co.	Gr., P.M.S. on U.R.B., R.C. Br.	53,179	5,000	58,179
10TC11	Merced	4	C	Bet. Black Rascal Canal & Buhach Sta.	3.8	4/ 9/46	Gunner Corp.	Gr., P.C.C. & 4 Conc. Brs.	414,463	62,384	476,847
0-10TC38-P	Merced	4	C, D, Lvtn	Bet. Atwater & Livingston	5.7	9/ 8/48	Guy F. Atkinson Co.	Gr., P.C.C. & P.M.S.	604,233	46,681	650,914
51-10TC6	Mer, Sta	4	C, D, Lvtn, A, Cer, B	Bet. Atwater & Hatch Rd.	9.9	4/29/50	Stephen L. Vistica	Roadside Planting	12,914	1,455	14,369
54-10TC4	Merced	4	C	Bet. Bear Cr. & Buhach Rd.	4.2	7/ 1/53	Standard Materials, Inc.	Widen, P.M.S. on U.R.B.	171,732	20,000	191,732
10TC19-P	Mer, Sta	4, 110	D, C	Bet. 3 Mi. N. of Livingston & Stanislaus Co. Line & Bet. Modesto & Empire	8.9	5/16/47	M. J. Ruddy & Son	P.M.S.	67,914	4,650	72,564
1-10TC44	Mer, Sta	4	D, A, Cer, B	Bet. Merced Riv. & Delhi & Bet. Merced Co. Line & Hatch Crossing	10.9	4/ 1/49	M. J. Ruddy & Son	P.M.S.	88,541	11,174	89,715
51-10TC16-F	Mer, Sta	4	D, A	Bet. Merced Riv. Br. & Turlock OH.	5.6	3/19/51	United Conc. Pipe Corp.	Gr. & P.C.C. on C.T.S.	638,459	75,703	714,162
52-10TC14	Mer, Sta	4	D, A	At Intrs. Rte. 4 with El Capitan Way, Johnson St. & Golf Rd.		12/18/51	L. H. Leonardi Elc. Const. Co.	Signals & Lights	23,578	766	24,344
54-10TC1-F	Merced	4	D	Bet. N. End Livingston UP. & S. of Delhi	3.4	4/ 1/53	Ukropina-Polich-Kral	Gr., P.C.C. on C.T.S. & P.M.S. on U.R.B.	421,768	42,000	463,768
53-14TC8	Merced	4	D	Across Merced Riv. Abt. 1.2 Mi. N. of Livingston		5/13/52	C. K. Moseman	Widen Stl. Br.	393,859	25,000	418,859

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10TC13	Merced	4	Atw, C	Bet. Atwater & 2 Mi. N.	3.2	5/28/47	Gunner Corp.	Repair with P.M.S.	$64,642	$5,336	$69,978
0-10TC41	Merced	4	Lvtn	At Cressy Way	-----	12/ 4/48	R. Goold & Son	Signals & Lights	16,015	559	16,574
10TC28	Merced	4	Mer	On 16th St. in Merced	-----	2/20/48	R. Goold & Son	Signals	6,123	426	6,549
52-10TC3-P	Merced	4	Mer	At G St.	-----	6/28/51	L. H. Leonardi Elc. Const. Co.	Signals & Lights	7,223	554	7,777
10TC17	Merced	18	A	Bet. Planada & 5.3 Mi. E.	5.3	4/22/47	M. J. Ruddy & Son	P.M.S.	84,524	7,742	92,266
51-10TC7	Mer, Mpa	18	A, A, I	Bet. 1.7 Mi. W. of Mariposa Co. Line & Cathay Jct.	8.7	5/31/50	Rice Bros., Inc.	P.M.S.	162,463	11,204	173,667
10T84	Mer, Mpa	18	A, A, I	Bet. 1.6 Mi. W. of Mariposa Co. Line & Cathay Jct.	8.6	5/25/51	Day Labor	Seal Coat	7,261	----------	7,261
14TC47	Merced	32	A, B	Across San Luis Cr.	0.7	6/23/48	Granite Const. Co.	R.C. Br. & Apps.	119,705	11,489	131,194
51-10TC12	Merced	32	A	Bet. Santa Clara Co. Line & 3.5 Mi. E'ly.	3.5	8/30/50	Munn & Perkins	Widen & P.M.S.	130,725	19,870	150,595
10W28	Merced	32, 41	B, A, B	Bet. San Luis Cr. & Los Banos & Bet. Romero School & Centinella	13.0	2/ 4/46	Day Labor	Pen. Tr. & Sl. Ct. on Shldrs.	5,252	343	5,595
1-10TC42	Merced	32	B	Bet. Highline Canal & Los Banos	2.0	4/ 1/49	Granite Const. Co.	P.M.S. on U.R.B.	51,183	1,322	52,505
1-10TC56	Merced	32	B	Bet. San Luis Cr. & Highline Canal (Por.)	4.4	9/15/49	M. J. Ruddy & Son	P.M.S. & Shldrs.	101,432	9,546	110,978
10WC12	Merced	32	C	Bet. San Joaquin Riv. & Madera Co. Line	3.0	6/22/46	Frank B. Marks & Sons	Repair with P.M.S. on U.R.B.	84,316	5,515	89,831
51-10TC3	Merced	32	C	Bet. 10.4 Mi. E. of Los Banos & San Joaquin Riv.	5.3	4/ 1/50	Valley Pav. Const. Co.	P.M.S.	174,174	14,473	188,647
14DGT14	Merced	41	B	At S.P. Co. Xing at Trent & at Volta	-----	12/30/49	Southern Pacific Co.	Flashing Lights	7,768	----------	7,768
55-10TC9	Merced	41	C, DPls	Bet. Jct. Rte. 32 & Fresno Co. Line	4.7	5/ 4/54	Stewart & Nuss, Inc.	P.M.S.	19,827	500	20,327
14WLC34	Merced	122	A	Across Mud Slough & Garzas Cr.	-----	6/26/46	Dan Caputo	R.C. Br. & Culv.	48,486	7,166	55,652
51-14TC4	Merced	122	A	Across San Joaquin Riv., Abt. 6 Mi. E. of Gustine	-----	4/12/50	H. W. Ruby	R.C. Br. & Apps.	100,395	12,211	112,606
0-10TC37	Merced	122	Gus, A	Bet. Gustine & San Joaquin Riv.	2.7	8/25/48	Elmer J. Warner	Gr. & P.M.S.	124,375	1,258	125,633
0-10TC49	Merced	123	B	Bet. Cox Ferry Br. & Snelling	6.3	6/ 1/49	River Rock, Inc.	Widen & P.M.S. on Shldrs.	39,406	3,061	42,467
52-14TC25	Merced	123	B	Across Merced Riv. at Cox Ferry Abt. 12 Mi. N. of Merced	0.6	6/19/52	Tumblin Co.	R.C. Br. & Gr. & P.M.S. on Apps.	196,794	23,000	219,794

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-10DC5	Merced	FAS 912		On Santa Fe Dr. Bet. Stanislaus Co. Line & El Capitan Way	5.9	9/18/51	Baun Const. Co.	Gr. & R.M.S. on U.R.B.	$85,313	$9,579	$94,892
53-10DC2	Merced	FAS 912		On Santa Fe Dr. Bet. Buhach Rd. & 3.4 Mi. SE'ly.	3.4	9/ 4/52	Karl C. Harmeling	Gr., R.M.S. & Widen R.C. Br.	80,925	9,460	90,385
53-10DC3	Merced	FAS 912		On Santa Fe Dr. Bet. Alaska Sta. & State Hwy. Rte. 123	1.6	11/18/52	P. J. Moore & Son	Gr., R.M.S. & R.C. Br.	105,917	10,000	115,917
10DC4	Merced	FAS 914 957 1058		Bet. Stanislaus Co. Line & Stevenson, Livingston & Milliken Br. & Bet. Atwater & Winton	18.7	7/ 8/48	Frank B. Marks & Son	P.M.S. on C.T.B.	206,428	12,192	218,620
1-14DC62-P	Merced	FAS 914 1058		Various Locations N. of Hilmar & N. of Atwater		1/ 6/50	Kenneth Brown & F. Kaus	Widen 5 R.C. Brs.	14,740	1,572	16,312
14DC59-P	Merced	FAS 919		Across Dry Cr. 7 Mi. S. of La Grange		11/23/49	C. C. Gildersleeve	Timber Br.	15,782	2,480	18,262
52-10DC1-P	Merced	FAS 919		Bet. Snelling & Stanislaus Co. Line	6.4	7/27/51	United Conc. Pipe Corp.	Gr. & B.S.T.	143,104	10,471	153,575
14DG16	Mar, Sta, S.J.	FAS 1058, 913, 903		A.T. & S.F. Xings at Winton, Hughson & near Larson		9/ 3/48	Atchison, Topeka & Santa Fe Railway	Crossing Protection	7,382		7,382
10DC8	Merced	FAS 1170		Bet. Los Banos & Pipe Line Rd.	8.7	8/22/49	Covina Const. Co.	Gr., P.M.S. & Widen Conc. Br.	161,696	20,641	182,337
	Merced			Various Locations				Minor Contracts & D.L. Projects	40,093		40,093
54-10TC3	Mer, Ama, Cal, S.J.	Var	Var	See Amador County							
2T44	Modoc	28	A, B	Bet. Adin & Alturas		4/28/47	Honor Camp Labor	Widen Conc. Struct.	52,035	3,947	55,982
2TC21P	Modoc	28, 210	A, A	Bet. Lassen Co. Line & Canby	20.8	5/16/47	Harms Bros.	Base & Sl. Ct.	158,856	14,001	172,857
14TC46	Modoc	28	A	Across N. Fk. of Ash Cr.		6/11/48	Evans Const. Co.	Widen R.C. Br.	7,954	1,099	9,053
54-2TC3	Modoc	28	A	Bet. Adin & Rush Cr.	4.0	5/20/53	Clements Const. Co.	P.M.S. on C.T.B.	141,983	14,198	156,181
53-2T10	Modoc	27, 73	A, B, C	Alturas to 8 Mi. E. of Rte. 73 & Rte. 28 to Oregon State Line (Pors.)	46.8	6/27/52	Honor Camp	Gr., Oil & Fence	299,994	29,127	329,121

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-2TC39	Modoc	28	B, Alt	Bet. Chambers Ranch & Alturas	10.6	8/31/49	Clements & Co.	Resurf. with P.M.S.	$263,037	$21,205	$284,242
1-2TC34	Modoc	28	C	Bet. Toms Cr. & Cedarville	8.1	5/24/49	R.B. Guerin & Co.	Gr.	641,000	76,114	717,114
51-2TC1-F	Modoc	28	C	Bet. Toms Cr. & Cedarville	8.9	4/15/50	Rand Const. Co., Inc.	Gr. & P.M.S. on C.T.B.	306,959	30,880	337,839
51-2TC7	Modoc	28	C	In Cedarville	0.8	7/ 6/50	Rand Const. Co., Inc.	Conc. Curbs & Gutters	13,339	1,411	14,750
52-2TC2	Modoc	28	C	Bet. Toms. Cr. & Cedarville	8.9	7/31/51	Morgan Const. Co.	Seal Coat	16,802	2,084	18,886
2WC2	Mod, Las	28, 73 210	Various	See Lassen County							
2W16	Modoc	73	A, B	Bet. Rte. 28 & Oregon State Line	16.2	3/13/46	Honor Camp Labor	Gr. & Pave	509,994	25,635	535,629
2T71	Modoc	73	A, B	Bet. Rte. 28 & Oregon State Line (Por.)	33.3	7/ 1/48	Honor Camp Labor	Grade	249,944	17,248	267,192
2T76	Modoc	73	A, B	Bet. Davis Cr. & Oregon State Line	18.8	7/ 1/49	Day Labor	Prime & Sl. Ct.	19,076	----------	19,076
2T77	Modoc	73	A, B	Bet. Rte. 28 & Oregon State Line	33.8	7/ 1/49	Honor Camp Labor	Gr.	281,348	23,171	304,519
2T79	Modoc	73	A, B	Bet. Rte. 28 & Oregon State Line	33.8	6/30/50	Honor Camp Labor	Gr.	299,966	29,571	329,537
51-2TC8	Modoc	73	A, B	Bet. N. of Davis Cr. School & Oregon State Line	16.5	9/ 1/50	Rand Const. Co., Inc.	R.M.S. & Sl. Ct.	22,741	2,654	25,395
52-2T10	Modoc	73	A, B	Bet. Rte. 28 & Oregon State Line	-----	7/ 2/51	Honor Camp Labor	Gr.	299,859	24,590	324,449
52-2T11	Modoc	73	A, B	Bet. Rte. 28 & Oregon State Line	10.4	7/ 2/51	Day Labor	Surface	49,697	----------	49,697
53-2T11	Modoc	73	A	Bet. Rte. 28 & 18 Mi. N.	8.4	6/27/52	Day Labor	Surface & Sl. Ct.	29,500	----------	29,500
2T72	Modoc	73	B	Bet. Sta. 448+50 & 848+00	7.6	10/11/48	Day Labor	Oil	7,981	----------	7,981
14WLC57	Modoc	73	C	Across S. Fk. of Pit Riv. at Likely	-----	6/26/47	T. A. Kvale	R.C. Br.	32,062	6,781	38,843
2DC5-P	Mod, Sis	210 FAS 753	B, A	Bet. 2.4 Mi. N. of Stronghold & Oregon State Line & Bet. Rte. 72 & 4 Mi. W. of Hatfield	22.8	5/ 1/47	Fairey-Hammond, Inc. & R. A. Farish	P.M.S. & Sl. Ct.	176,122	17,624	193,746
2T73	Modoc	210	B	At Station 2152+31.7	-----	10/19/48	Day Labor	R.C. Culv.	7,757	1,117	8,874
54-14TC15	Modoc	210	B	Across Track of S.P. Co. Abt. 21.4 Mi. SE. of Town of Tulelake	-----	5/14/53	B. S. McElderry	Reconstruct Stl. & Conc. OH. Apps.	49,676	4,960	54,636
2DC2	Modoc	FAS 513	B, C, D	Bet. Eagleville & 4 Mi. N. of Lake City	29.5	5/23/46	E. D. Bishop & D. Gerald Bing	Gr. & P.M.S.	404,775	42,373	447,148
51-2DC3	Modoc	FAS 513	----------	Bet. 4 Mi. N. of Lake City & Fort Bidwell	12.5	5/ 9/51	Tyson & Watters	Gr. & R.M.S.	161,764	30,278	192,042
52-2DC2	Modoc	FAS 513	----------	Bet. Lassen Co. Line & Eagleville	9.8	6/20/52	Harms Bros.	P.M.S.	142,017	7,455	149,472

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
2DC9	Mod, Las	FAS 988		See Lassen County							
54-14DC5-P	Modoc	FAS 1192		Across Five Canals near Stronghold		10/20/53	A. A. Edmondson	5 R.C. Brs.	$52,242	$5,500	$57,742
	Modoc			Various Locations				Minor Contracts & D.L. Projects	8,596		8,596
9X7	Mono	13	A	Bet. Mi. 10.0 & Mi. 12.8	2.8	3/20/47	Day Labor	Widen & Resurface	5,353		5,353
9V11	Mono	23	A, B	Bet. Mi. 1.00 "A" & Mi. 3.65 "B"	8.4	3/13/47	Day Labor	B.S.T.	12,442		12,442
9V14	Mono	23	A	Across Rock Cr.		5/ 1/47	Day Labor	Culv. & Apps.	5,392		5,392
51-9VC11	Mono	23	B	At Cadillac Curve, Abt. 1.5 Mi. S. of Tom's Place	0.3	4/20/51	Conrad Const. Co., Inc.	Gr. & R.M.S.	14,398	4,464	18,862
51-9VC10	Mono	23	D	Bet. 0.8 Mi. & 1.6 Mi. N. of McGee Cr.	0.8	10/31/50	Conrad Const. Co., Inc.	Gr. & R.M.S.	42,952	6,209	49,161
53-9VC5	Mono	23	D	Bet. 2.4 Mi. S. of Mammoth Rd. & 1.7 Mi. S. of Mammoth Rd., Abt. 38 Mi. N. of Bishop	0.6	4/27/53	Chas. J. Rounds Co.	Gr. & R.M.S.	22,126	2,213	24,339
9VC7	Mono	23	I	Bet. Point Ranch & Bridgeport	2.8	5/ 1/47	Geo. E. France	Repair with P.M.S.	40,379	5,091	45,470
51-9VC3	Mono	23	I	Bet. Conway Summit & Bodie Rd.	6.1	5/ 8/50	Harms Bros.	P.M.S. on C.T.B.	127,206	11,204	138,410
52-9V11	Mono	23	I	In Town of Bridgeport	0.4	7/18/51	Day Labor	Shldrs.	14,837	748	15,585
54-9VC5	Mono	23	I, J	Bet. Conway Summit & Sonora Jct.	3.8	9/11/53	Oilfields Trucking Co.	Sl. Ct.	7,388	740	8,128
53-9V11	Mono	23	I, J	Bet. Conway Summit & Sonora Jct.	4.0	6/24/52	Day Labor	Surface	39,835	2,454	42,289
52-9VC6	Mono	23	J	Bet. Dressler's Corner & 1.1 Mi. N. of Fales Hot Springs	12.0	4/28/51	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Widen & R.M.S. on I.B.M.	46,166	8,108	54,274
51-9BC1-F	Mono	23	K	Bet. 5 Mi. N. of Sonora Jct. & Antelope Valley	2.7	6/23/51	R. P. Shea Co.	Gr. & R.M.S. on I.B.M.	204,872	15,163	220,035
54-10TC2-FP	Mno, Alp	23	L, B	See Alpine County							
9V24	Mono	40	A	Bet. Sta. 0+00 & Sta. 133+00 Bet. Park Boundary & Poole Plant Rd.	2.5	7/21/48	Day Labor	Widen & Resurface with R.M.S.	56,211	2,695	58,906
52-9V10	Mono	40	A	At Warren Creek		7/ 2/51	Day Labor	Replace Br. with Culv. & Fill	8,279	587	8,866
9X8	Mono	40	B	Bet. Mi. 0.0 & Mi. 3.4	3.4	3/20/47	Day Labor	Widen & Resurface	12,684		12,684
9XC3	Mono	40	C	Bet. Rte. 23 & Sheep Corral	6.3	7/ 1/46	Geo. E. France	R.M.S.	21,496	2,888	24,384

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-9VC12	Mono	40	D	Bet. Sheep Corral & Adobe Cr.	16.0	5/ 6/48	Oilfields Trucking Co., & Phoenix Const. Co.	Resurf. with B.S.T.	$47,402	$3,826	$51,228
1-9VC20	Mono	76	A, B	Bet. S. Co. Line & Benton Sta.	8.7	5/11/49	Arthur A. Johnson	R.M.S.	60,280	5,752	66,032
52-9VC3	Mono	76	B	Bet. 5.5 Mi. & 2.9 Mi. S. of Benton Sta.	2.8	4/ 2/51	Anderson Co.	Gr., R.M.S. on I.B.M.	76,266	665	76,931
0-9VC14	Mono	95	A	Bet. 7 Mi. N. of Coleville & Nev. State Line	2.2	6/ 8/48	Westbrook & Pope	Gr. & R.M.S. on I.B.	119,495	15,671	135,166
9V25	Mono	95	A	Bet. Coleville & Nevada State Line	2.2	5/17/49	Day Labor	Sl. Ct. & Improve Shldrs.	6,951	----------	6,951
51-9VC7	Mono	95	A	Bet. Rte. 23 & Topaz Lake	9.3	5/18/50	Harms Bros.	Gr. & R.M.S. on I.B.M.	56,798	8,196	64,994
53-9VC4	Mono	95	A	Bet. 4.4 Mi. & 5.0 Mi. N. of Coleville	0.6	5/15/52	Rob't C. Downer	Gr. & B.S.T.	36,539	10,940	47,479
9V27	Mono	96	A	Bet. 4.9 Mi. N. of Rte. 23 & Nev. State Line	6.3	7/ 1/49	Day Labor	Gr., Surf. & Drainage Facilities	14,999	1,086	16,085
51-9VC2	Mono	111	A	Bet. 1 Mi. N. of Grant Lake & Jct. with Rte. 23	1.5	4/28/50	Westbrook & Pope	Gr. & R.M.S.	24,993	4,526	29,519
54-9VC3	Mono	111	A	Bet. Silver Lake & Rush Cr. Weir	2.1	5/25/53	Wonderly Const. Co.	Gr., I.B.M. & B.S.T.	80,622	8,063	88,685
1-9DC10-P	Mono	FAS 959	----------	Bet. 0.4 & 4.2 Mi. W. of U. S. Rte. 395	3.6	1/17/50	Westbrook & Pope	Gr. & Drainage Facilities	83,537	9,482	93,019
52-9DC2-P	Mono	FAS 959	----------	Bet. Alpine Co. Line & U. S. Rte. 395 (Por.)	7.6	8/16/51	C. V. Kenworthy	Gr. & Drainage Structs.	150,091	7,164	157,255
9DC7	Mono	FAS 1092	----------	Bet. State Rte. 23 & 10.5 Mi. E'ly.	10.8	6/ 8/48	Browne & Krull	Gr., I.B. & Pen. Tr.	43,091	7,061	50,152
9DC2	Mono	FAS 1093	----------	On Twin Lakes Rd. near Bridgeport	3.9	6/30/47	Dix-Syl Const. Co., Inc.	Gr. & B.S.T.	45,443	7,981	53,424
9DC3	Mono	FAS 1094	----------	Near Coleville	3.4	8/29/47	Nevada Constructors, Inc.	Gr., Pen. Tr. & Timber Br.	53,294	7,878	61,172
52-14DC8-P	Mono	FAS 1094	----------	Across W. Walker Riv., near Coleville	-----	9/ 5/51	E. H. Peterson & Son	Stl. Br.	59,498	1,331	60,829
----------	Mono	----------	----------	Various Locations	-----	----------	----------	Minor Day Labor Projects	1,947	----------	1,947
5TC5	Monterey	2	B	Bet. 2 Mi. S. of Salinas & Salinas	1.9	3/20/46	Granite Construction Co.	Gr. & A.C.	208,926	27,880	236,806
5WC4	Monterey	2, 118, 56	B, A, J	Bet. Chualar & 3 Mi. N.; Bet. Salinas & Castroville & Bet. Werner Hill & Watsonville Jct.	3.7	5/ 1/47	Granite Const. Co.	P.M.S.	23,071	995	24,066

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-5TC2	Monterey	2	B	Bet. Spence UP. & 2 Mi. S. of Salinas	2.4	4/ 6/50	Granite Const. Co.	Gr. & P.M.S. & B.S.T. on C.T.B.	$183,645	$26,365	$210,010
51-5TC6	Monterey	2	B	At Sanborn Rd. ½ Mi. S. of Salinas	0.1	12/ 5/50	Granite Const. Co.	P.M.S., Acceleration & Deceleration Lane	10,316	2,307	12,623
52-5TC2-F	Monterey	2	B	Bet. Chualar & Spence UP.	5.2	4/11/51	Fredrickson & Watson Const. Co.	Gr. & P.C.C.	544,892	50,518	595,410
53-5TC1-F	Monterey	2	B	Bet. Chualar & Spence UP.	5.2	4/14/52	Rice Bros. Inc.	P.M.S.	333,124	57,253	390,377
53-5TC4	Monterey	2	B	Bet. Chualar & Spence UP.	5.2	3/ 9/53	Huettig, Schromm & Bennett, Inc.	Planting	14,554	3,200	17,754
54-5TC3-P	Mon, S.B.	2, 148	B, SMra	Bet. Chualar & Spence UP. & in the City of Santa Maria Bet. Railroad Ave. & the west city limits of Santa Maria		7/29/53	Valley Paving Co.	Seal Coat	12,548	1,255	13,803
51-5TC1	Monterey	2	C	Bet. Gonzales & Chualar	4.9	4/ 1/50	Rice Bros., Inc.	Resurf. with P.M.S.	84,035	6,632	90,667
54-5TC4	Monterey	2	C, B	Bet. 2 Mi. N. of Gonzales & Chualar	3.8	10/ 6/53	Granite Constr. Co.	P.C.C. on C.T.S.	497,978	49,000	546,978
53-5TC6	Monterey	2	D	Abt. 3 Mi. S. of Soledad		6/26/53	Baun Construction Co.	Reconstruct Curve	7,554	750	8,304
54-5TC1	Monterey	2	F	Bet. San Lucas & 2.5 Mi. North	2.4	4/ 1/53	Granite Const. Co.	Gr., P.M.S. on C.T.B.	153,240	22,000	175,240
0-5TC10	Monterey	2	G, F	Bet. San Ardo & King City	3.6	4/22/48	Granite Const. Co.	Base & P.M.S.	202,626	17,098	219,724
1-5TC12	Monterey	2	G, F	Bet. San Ardo & King City	4.0	5/19/49	Fredricksen & Kasler	P.M.S. on Stabilized I.B.M.	179,492	19,006	198,498
54-5TC6	Monterey	2	I	Abt. 0.2 Mi. W. of Bradley	0.6	11/ 4/53	Bos Construction Co.	Widen R.C. Br., Gr. & P.M.S. on C.T.B.	86,720.80	8,673.00	95,393.00
5TC4-F	Monterey	2	J	Bet. Santa Rita & 0.8 Mi. N. of Crazy Horse Summit	8.4	1/17/46	A. Teichert & Son, Inc.	Gr. & P.M.S.	745,257	66,643	811,900
5TC7-F	Mon, SBt.	2	J, B	Bet. 0.8 Mi. N. of Crazy Horse Summit & Chittenden Rd.	6.7	10/16/46	A. Teichert & Son, Inc.	Gr. & P.M.S.	740,405	63,346	803,751
5T23	Monterey	2	J	Bet. Sta. 534+80 & Sta. 546+50		7/29/48	Day Labor	Outer Hwy. & Barrier Posts	13,937		13,937
54-14TC4-F	Monterey	2	K, Sal	Bet. John St. & Market St.	0.6	4/ 1/53	Dan Caputo & Edward Keeble	2 R.C. Brs. & Apps.	495,466	66,000	561,466
54-5TC8	Monterey	2	Gnfd	Bet. Maple Ave. & Oak Ave.	0.1	3/31/54	Granite Const. Co.	P.M.S. Shldrs.	7,360	735	8,095
1-5TC14	Monterey	2, 117	Sal	Bet. S.C.L. of Salinas, & S. Main St.	0.8	8/ 3/49	Ted. F. Baun	Gr. & P.M.S.	184,351	23,071	207,422
51-5TC4	Monterey	2, 117	Sal	Various Locations in Salinas		6/29/50	R. Flatland	Signals	16,438	953	17,391
53-5TC5	Monterey	2	Sal	Intrs. of U. S. Rte. 101 with Laurel Dr. & with Curtis St.		6/ 4/53	Howard Elc. Co.	Signals & Chnlz.	54,901	7,600	62,501
55-5TC1	Monterey	2	Sal	Bet. John St. & 0.4 Mi. N. of Salinas UP.	0.9	4/ 1/54	Granite Const. Co.	U.R.B. & P.M.S.	45,356	4,500	49 856
54-5TC7	Monterey	2	Sal	Intrs. of Rte. 2 with Sanborn Rd. & with Romie Lane		12/11/53	H. S. Tittle Co.	Signals, Lights & Chnlz.	23,520	2,350	25,870

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-5TC5-F	Monterey	2	Sal, K	Bet. Alisal Rd. in Salinas & 0.5 Mi. NW'ly of N. Main St.	1.6	6/18/52	Dan Caputo & Edward Keeble	Gr., P.C.C., P.M.S. & 2 R.C. Brs.	$963,109	$131,000	$1,094,109
53-5TC3	Monterey	22, 56, 118	A; I, J; A	Intrs. Monterey-Castroville Rd. with Salinas-Watsonville Rd.	-----	1/19/53	R. Goold & Son	Signals & Lights	13,319	2,300	15,619
0-5TC11	Monterey	56	A	Across Salmon Cr.	-----	8/ 9/48	Matthew & Jorgenson	R.C. Culv. & Apps.	91,806	10,156	101,962
1-5TC15	Monterey	56	A	At White Cr., 16 Mi. N. of San Simeon	-----	11/ 2/49	W. M. Lyles Co.	Drainage System	25,069	2,855	27,924
0-14TC42	Monterey	56	B	Across Prewitt Cr.	-----	5/24/48	Chas. O. Bodenhamer	Repair Timber Br.	18,737	2,886	21,623
1-14TC79	Monterey	56	B, C, D, E	Bet. San Simeon & Carmel	-----	9/ 8/49	William Radtke & Son	Repair 5 Brs.	145,682	10,578	156,260
51-14TC19	Monterey	56	B, A	Across Willow Cr. & Villa Cr.	-----	10/24/50	E. G. Perham	Repair 2 Timber Brs.	61,426	5,592	67,018
53-5TC2	Monterey	56	C, D, F	Bet. 25 Mi. & 55 Mi. S. of Monterey	-----	7/30/52	E. G. Perham	Replace 10 Cattlepasses with a M.P. Culv., 4 R.C. Culvs., & 5 C.M.P. Culvs.	60,614	9,000	69,614
54-14TC6	Monterey	56	C, D, F, H	Bet. 10 Mi. S. & 55 Mi. S. of Monterey	-----	4/ 1/53	H. H. Anderson	Replace 4 Cattlepasses with C.M.P. Redeck Br. with P.C.C.	39,372	3,935	43,307
5W14	Monterey	56	F	At Sta. 395+46	-----	9/10/47	Day Labor	Replace Br. with R.C. Culv.	5,700	----------	5,700
0-14TC49-P	Monterey	56	F, G	Bet. 15 & 26 Mi. S. of Monterey	-----	6/23/48	C. O. Bodenhamer	6 R.C. Culvs.	28,094	3,307	31,401
54-14TC7	Monterey	56	F, G	Across Little Sur Riv. Abt. 20 Mi. S. of Monterey	-----	4/ 1/53	Condick Co.	R.C. Br. & Apps.	166,475	16,645	183,120
53-14TC18	Monterey	56	H, D	Across San Jose Cr. and Dolan Cr. Abt. 5 Mi. S. of Monterey and 6.5 Mi. N. of Lucia	-----	8/14/52	Stolte, Inc.	Repair 2 Timber Brs.	47,636	5,856	53,492
52-5TC4	Monterey	56	I	At Intrs. of Fremont St. with Broadway, in Town of Seaside	-----	8/20/51	Howard Elc. Co.	Signals, Lights & Chnlz.	19,932	1,963	21,895
54-5TC5	Monterey	56	I	Bet. 0.1 Mi. N. of Seaside Junction & Prattoo Siding	0.2	11/ 4/53	Granite Const. Co.	Gr. & P.M.S. on U.R.B.	29,632	2,960	32,592
1-14TC78	Mon, SCr	56	J, Wat	Bet. Watsonville Jct. & Front St. in Watsonville	0.9	9/29/49	Dan Caputo & Edward Keeble	Gr., P.M.S. on C.R.B., Stl. Br., Signals & Lights	484,730	49,474	534,204
52-5TC1	Monterey	56	J	Bet. Moss Landing & 2 Mi. S. of Watsonville Airport	2.1	4/ 2/51	Leo F. Piazza Paving Co.	P.M.S.	36,856	3,010	39,866
54-5TC2	Monterey	56	J	Bet. Loma Linda & Watsonville Jct.	1.6	5/29/53	Baun Const. Co.	Gr., P.M.S. on U.R.B.	263,707	26,350	290,057

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
5TT13	Monterey	56, 117	Mon	Abrego St. at Fremont St.	-----	8/10/49	City of Monterey	Signals	$5,052	----------	$5,052
51-5TC5	Monterey	56, 117	Mon	At Del Monte Jct.	-----	7/26/50	L. H. Leonardi Elc. Const. Co.	Lights	3,846	$472	4,318
5WC3	Monterey	117, 56	A, I	Bet. Del Monte Jct. & Seaside Jct.	3.0	6/28/46	N. M. Ball Sons	Gr. & P.M.S.	471,166	56,480	527,646
1-5TTC1	Monterey	117	Sal	At Romie Lane	-----	6/ 5/50	Ets-Hokin & Galvan	Signals	10,841	894	11,735
5T24	Mon, SBt	119	A, A	Bet. Priest Valley & Lonoak	16.0	1/ 9/51	Day Labor	Pen. Tr.	6,486	----------	6,486
52-5VC2-P	Mon, S.B, SLO	Var	Var	See Santa Barbara County							
51-5DC3	Monterey	FAS 593	----------	On Old Toll Rd. at Elkhorn Slough	0.5	4/ 2/51	Edward Keeble	Gr. & C.M.P. Culvs.	57,598	6,099	63,697
5DC5	Monterey	FAS 595	----------	E. of Pajaro on San Juan-Watsonville Rd.	1.6	8/ 4/48	Granite Const. Co.	Gr. & P.M.S.	118,556	13,184	131,740
53-5DC2	Monterey	FAS 657	----------	Alisal-Old State Rd. Bet. Bardin School & 1.6 Mi. S. of Iverson Rd.	12.2	5/29/53	Baun Const. Co.	I.B.M. & Sl. Ct.	170,308	----------	170,308
5DC12-P	Monterey	FAS 661	----------	Bet. Robinson Canyon Rd. & Los Laureles Rd.	3.7	12/14/49	John G. Mehren	Gr. & P.M.S.	178,500	5,815	184,315
51-5DC1-P	Monterey	FAS 661	----------	Bet. Rte. 56 & Robinson Canyon Rd.	5.8	12/15/50	Nevada Constructors Inc. (Granite Const. Co.)	Gr. & Sl. Ct.	136,815	8,285	145,100
5DC8	Monterey	FAS 662	----------	Bet. E.C.L. of Monterey & Seaside Jct.	2.7	7/12/49	Granite Const. Co.	Gr. & P.M.S.	241,794	21,513	263,307
14DC25	Monterey	FAS 1084	----------	On Sanborn Rd. at S.P. R.R. Tracks	-----	9/18/47	Dan Caputo	Stl OH.	180,249	2,012	182,261
----------	Monterey	-------	----------	Various Locations	-----	----------	----------	Minor Contracts & D.L. Projects	58,066	----------	58,066
4W27	Napa	6	A	Bet. Mi. 2.7 & Mi. 3.6	0.9	4/22/46	Day Labor	Base & Resurf. with P.M.S.	9,973	----------	9,973
52-4TC1	Napa	6	A	Bet. 6.5 Mi. & 6.8 Mi. E. of the E.C.L. of Napa	0.3	5/21/51	C. M. Syar	Gr. & Sl. Ct.	26,867	3,152	30,019
53-10TC7	Nap, Sol	7	A.G.H.	See Solano County							
14TC15	Napa	7	A	At Farm Rd. UC. 4 Mi. N. of Vallejo	-----	8/10/46	Minton & Kubon	Reconstruct R.C. UC.	11,952	942	12,894
0-10TC36-F	Nap, Sol	7	A, H	Bet. 1 Mi. W. of Napa Co. Line & Cordelia UP.	4.6	7/17/48	Parish Bros.	Gr.	581,857	39,484	621,341
1-10TC53-F	Nap, Sol	7	A, H	Bet. ¼ Mi. W. of Napa Co. Line & Cordelia UP.	4.2	8/17/49	Parish Bros.	P.C.C.	299,267	28,849	328,116

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-4TC98	Napa	8, 49	A, D, Nap, B	Bet. Foster Rd. & Union Station	3.1	1/10/50	Fredrickson Bros.	Gr. & P.M.S. on C.R.B.	$293,249	$36,901	$330,150
1-4TC103-F	Napa	8 FAS 776	B	At Intrs. with FAS 776 & Imola Ave.	-----	5/24/50	Fredrickson Bros.	Signals, Lights & Chnlz.	69,518	4,148	73,666
54-4TC45	Napa	8	B	At Cayetano Crk. Br., 0.4 Mi. E'ly. of Napa City Limits	-----	1/ 8/54	Baldwin Contracting Co. Inc.	Riprap & M.P. Guard Rail	7,257	725	7,982
1WLC6	Nap, Lak	49	A, A	Bet. 0.1 Mi. S'ly. & 1.5 Mi. N'ly. of Napa-Lake Co. Line	0.8	3/24/47	Piombo Const. Co.	Gr., R.M.S. & 2 R.C. Brs.	212,462	20,343	232,805
4T111	Napa	49	A	Bet. N. of Calistoga & Lake Co. Line	6.0	8/11/48	Day Labor	Resurf. with P.M.S.	49,300	1,694	50,994
51-4TC9	Napa	49	A	Bet. 1.5 & 4.5 Mi. S. of Lake Co. Line	2.0	8/ 2/50	C. M. Syar	R.M.S. on C.R.B.	57,505	9,324	66,829
52-4TC17	Napa	49	A	Bet. Lake Co. Line & 1.5 Mi. N. of Calistoga	7.2	9/19/51	Munn & Perkins	P.M.S. on U.R.B.	237,917	14,713	252,630
52-4T17	Nap, C.C	49, 75, 107	B, WIC, A	See Contra Costa County							
53-4TC16	Napa	49	B	Bet. 1.9 Mi. N. of Union Sta. & 2.7 Mi. S. of Yountville	1.7	7/ 8/52	J. Henry Harris	Widen, & P.M.S. on C.T.B. & P.C.C.	87,511	9,800	97,311
54-4TC5	Napa	49	B	Bet. Oakville & Rutherford	1.8	4/30/53	Arthur B. Siri, Inc.	P.M.S. & U.R.B.	139,412	12,970	152,382
53-4T27	Nap, Son, C.C	49, 1, 75	B, A, H	See Sonoma County							
1-14TC71	Napa	49	D	Across Napa Cr. near W.C.L. of Napa	-----	7/12/49	Dan Caputo	R.C. Br. & Apps.	38,754	3,352	42,106
51-4TC13-P	Napa	49	Cstg	Bet. Napa Riv. & Foothill Blvd.	0.1	8/22/50	Harold Smith	Resurf. with P.M.S. & Drainage Facilities	17,096	1,830	18,926
52-14TC18	Napa	49	Cstg	Across Napa Riv., on Lincoln Ave.	-----	3/ 6/52	E. H. Peterson & Son	Widen R.C. Br. & Apps.	65,937	18,503	84,440
4TT138	Napa	49	SHla	Bet. Elmhurst St. & Pratt Ave.	-----	12/13/49	Day Labor	Improve St.	7,097	----------	7,097
0-4TC73	Napa	74, 8	A, B	Bet. Kelly Curve & Glass House Curve & Bet. Rte. 74 & Napa Wye	2.4	11/ 5/48	Fredrickson Bros.	Gr., P.C.C. on C.T.S. & P.M.S. on C.R.B.	301,442	35,116	336,558
4DC6	Napa	FAS 607	----------	On Silverado Trail, Bet. 4 Mi. NW. of Napa & Calistoga	4.7	5/ 1/47	Geo. E. Murray	Gr., Armor Ct. & R.C. Br.	95,979	2,014	97,993

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-4DC5	Napa	FAS 607		On Silverado Trail, Bet. Skellenger Lane & St. Hwy. Rte. 102 at Conn Cr.	1.9	9/ 4/51	E. A. Forde	B.S.T. on I.B.M.	$47,373	$555	$47,928
53-4DC3	Napa	FAS 607		On Silverado Trail Bet. Oak Knoll Ave. & Parker Hill	2.2	7/30/52	Munn & Perkins	Gr., I.B., U.R.B. & Sl. Ct.	72,243	421	72,664
53-4DC7	Napa	FAS 607		On Silverado Trail, at Conn Cr. Abt. 5 Mi. S. & E. of St. Helena	0.4	1/19/53	Harold Smith	Gr. & R.M.S. on U.R.B.	23,850	450	24,300
4DC12	Napa	FAS 776		Bet. Intrs. of Rte. 8-B with Imola Ave. & Intrs. of Rte. 8-A with Foster Rd. & on S. Jefferson to S.C.L. of Napa	1.7	11/22/48	A. Teichert & Son, Inc.	Gr. & P.M.S. on C.R.B.	114,734	6,702	121,536
52-4DC6	Napa	FAS 776		Imola Ave. W., Bet Napa State Hospital & 1.3 Mi. W.	1.3	9/ 4/51	E. A. Forde	P.M.S. on C.R.B.	27,567	540	28,107
14DC68-P	Napa	FAS 1165		Across Conn Cr., 1 Mi. NE. of Yountville		4/12/50	W. E. Thomas Const. Co.	Widen Masonry Arch Br.	11,800	435	12,235
	Napa			Various Locations				Minor Contracts & D.L. Projects	37,000		37,000
1-3TC63	Nevada	15	A	At Squirrel Cr. 5 Mi. W. of Grass Valley	0.1	6/22/49	Miles & Bailey	Gr., B.S.T. & Plate Culvs.	28,907	3,154	32,061
53-3TC9	Nevada	15	A, B	Bet. 2.1 Mi. W. & 0.6 Mi. E. of Rough and Ready	1.2	9/10/52	Huntington Bros.	Widen & Pen. Tr.	41,409	10,512	51,921
53-3TC17	Nevada	15	A	Bet. 3.0 Mi. & 3.7 Mi. E. of Yuba Co. Line, Abt. 12 Mi. W. of Grass Valley	0.7	5/29/53	Joe Vicini	Gr., U.R.B. & Sl. Ct.	146,349	14,630	160,979
3TC41-F	Nevada	17	B	Bet. 0.5 Mi. N. of Rattlesnake Cr. & Grass Valley	3.8	10/22/47	Fredrickson Bros.	Gr. & P.M.S. on C.R.B.	350,170	42,250	392,420
3T58	Nevada	25	NevC, A	Bet. Nevada City & 1.75 Mi. NW.	1.7	10/29/46	Day Labor	Gr.	35,762	2,414	38,176
3TC38	Nevada	25	NevC, A	Bet. E. Broad St. in Nevada City & 2 Mi. NW'ly.	1.9	6/26/47	J. Henry Harris	B.S.T.	52,681	5,559	58,240
53-3T10	Nev, Pla	37, 38	A, B, C, E, F, B	Bet. Forebay & Donner Lake & Boca to Sierra Co. Line (Pors.)	24.9	6/24/52	Day Labor	Surface	129,705	2,850	132,555
3T91	Nev, Pla	37	B, C, D	See Placer County							
3TC45	Nevada	37, 38	B, C, A	Bet. Kingvale & Fox Farm, Bet. Donner Summit & 1 Mi. E'ly. & at Flycasters Curve	3.7	12/12/47	H. Earl Parker, Inc.	Gr. & P.M.S. on I.B. & C.R.B.	179,475	18,718	198,193

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-3TC6	Nevada	37	C	Bet. Donner Summit & Donner Lake (Por.)	0.8	6/15/51	Harms Bros.	Gr. & P.M.S.	$130,333	$21,344	$151,677
53-3T12	Nevada	37	C	Bet. Donner Summit & Donner Lake (Pors.)		7/29/52	Day Labor	Resurface	16,115		16,115
3WC9	Nev, Pla	38	A, B, C	See Placer County							
1-3TC64	Nevada	38	A	In Truckee Bet. Commercial Row at Br. St. & 0.5 Mi. E'ly.	0.5	6/23/49	J. Henry Harris	Gr. & P.M.S. on Gravel Base	66,700	9,309	76,009
52-3BC1-F	Nevada	38	A, B	Bet. Flycaster's & Mystic (Por.)	1.3	7/16/51	Harms Bros.	Restore Rdwy., & P.M.S. on C.R.B.	303,206	22,168	325,374
54-14TC11	Nevada	38	B	Across Truckee Riv. & Over S.P. Tracks at Hinton Abt. 9 Mi. E. of Truckee		4/24/53	Minton Co. Contr.	R.C. Curbs, & Cor. Metal Br. Railing on 2 Brs.	19,935	1,990	21,925
53-3DC5	Nevada	FAS 765		Bet. Rte. 25 & 3.3 Mi. E'ly., Abt. 9 Mi. N. of Nevada City	3.3	9/18/52	Elmer J. Warner	Gr., I.B.M., B.S.T.	65,473	12,599	78,072
3DC21-P	Nevada	FAS 1038		Bet. Rte. 15 & Washington	5.9	6/12/50	Huntington Bros.	Gr., I.B.M., Pen. Tr. & Sl. Ct.	151,363	20,376	171,739
	Nevada			Various Locations				Minor Contracts & D.L. Projects	14,084		14,084
7VC27	Orange	2	A	Bet. 1 Mi. N. of Doheny Park & San Juan Cr.	0.9	1/ 2/47	Cox Bros. Const. Co.	Gr. & P.C.C. on C.T.S.	113,968	12,810	126,778
7VC42	Orange	2	A, B	Bet. 1 Mi. S. of Galivan & 1.4 Mi. N. of El Toro Rd.	3.4	6/30/47	Jesse S. Smith	Resurf. with P.M.S. & widen Shldrs. with I.B. & B.S.T.	15,657	1,560	17,217
53-7V22	Orange	2	A	At Trabuco Cr.		2/17/53	Day Labor	Drainage	6,645		6,645
7VC19	Orange	2	B, C	Bet. 1.4 Mi. N. of El Toro Rd. & S.C.L. of Tustin	8.3	6/20/46	John J. Swigart Co.	Repair with P.M.S. & widen Shldrs. with B.S.T.	96,730	7,634	104,364
7VC33	Orange	2	B	Near Irvine Abt. 6 Mi. S. of Tustin		3/26/47	Catalina Const. Co.	Two Culvs.	59,695	5,735	65,430
7VC45	Orange	2	B	Bet. El Toro & Irvine	2.2	8/22/47	O'Brien & Bell Const. Co.	P.M.S. on U.R.B.	60,006	5,552	65,558
1-7VVC18	Orange	2, 43, 171	C, A, B	Intrs. of Grand Ave. & Commonwealth Ave., & of E. First & Tustin Ave.		11/18/49	Clinton Elec. Corp.	Signals & Lights	19,050	606	19,656
54-7VC40	Orange	2, 174	D, A	Bet. 0.25 Mi. W. of Los Angeles St. & Lewis St.	0.9	11/25/53	D & M Sprinkler Co.	Roadside Development	12,378	1,000	13,378
7V133	Orange	2	F	Bet. Sta. 83+00 & Sta. 99+70	0.3	6/30/48	Day Labor	Drainage Improvement	16,879	511	17,390

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
7VC55-P	Orange	2, 178	Ana	At Los Angeles St. & Center St.		1/21/48	Prescott Elec. & Mfg. Co.	Signals & Lights	$43,000	$2,560	$45,560
51-7VC12	Orange	2	Ful	At Amerige & Union Aves.		8/ 3/50	Fischbach & Moore of Calif., Inc.	Signals	4,810	322	5,132
52-7V11	Orange	2	Ful	Bet. S.C.L. & Whiting Ave.		7/ 2/51	City of Fullerton	Storm Drains	35,490		35,490
11V16	Ora, S.D.	2	SCle, Ocn, C, D	See San Diego County							
11VC5	Ora, S.D.	2	SCle, D	See San Diego County							
7VC17	Orange	2	SCle	At Rte. 2 & Avenida Del Mar		3/ 1/46	C. D. Draucker Co.	Signals	5,570	726	6,296
7VC48	Orange	2	SCle	Bet. San Diego Co. Line & Valencia St.	1.8	11/3/47	O'Brien & Bell Const. Co.	Widen & P.M.S. on P.C.C. Base	93,037	13,503	106,540
7V156	Orange	2	SCle	Valencia Ave.	2.1	2/21/50	Day Labor	Subseal	14,782		14,782
51-7VC6	Orange	2	SCle	At Avenida Valencia, Bet. Mi. 1.77 & Mi. 3.89	2.1	4/ 1/50	Sully-Miller Contr. Co.	P.M.S.	40,033	3,459	43,492
53-7VC23	Orange	2	SCle	At Intrs. El Camino Real with Avenida Palizada & with Avenida Del Mar		9/17/52	Ed Seymour	Signals	6,962	853	7,815
52-7VC14	Orange	2, 174	S.A, C, S.A	On Santa Ana Frwy., Bet. Broadway & First St.		8/ 3/51	Westates Elcl. Const. Co.	Lights & Illum. Signs	112,074	11,000	123,074
1-7VVC21-P	Orange	2	Tus	D St. at Main St.		3/14/50	Elc. & Mach. Serv., Inc.	Signals & Lights	8,713	227	8,940
7V138	Orange	19	Ful	Bet. Sta. 35+00 & Sta. 108+50	1.4	12/17/48	Day Labor	R.M.S. on Shldrs.	10,040		10,040
7VC71	Orange	43, 179, 183	A, A, A	On Harbor Blvd.		4/ 1/48	Tri-Cities Elc. Serv.	Signals & Lights	30,239	1,273	31,512
7V151	Orange	43	A	On Newport Ave.		10/ 6/49	Orange Co. Flood Control Dist.	Arch Culv.	25,325		25,325
52-7VC29	Orange	43, 184, 2, 19, 178	A, A, Ful, Ful, Ana	At Intrs. Newport Ave. with McArthur Blvd.-Main St., Spadra Rd. with Brea Blvd. & Center St. with Olive St.		1/23/52	Elc. & Mach. Serv. Inc.	Signals & Lights	37,362	3,700	41,062
53-7VC21	Orange	43	A	Bet. 500 Ft. S. of 17th St. & Bay St. in Costa Mesa	1.0	9/ 2/52	Sam La Fon Tree Serv.	Remove Palm Trees	4,957	777	5,734
0-7VC85	Orange	43	B	Bet. Heim Ave. & Peralta School	4.9	7/29/48	Peter Kiewit Sons' Co.	Gr. & P.M.S. on U.R.B.	796,602	86,120	882,722
1-8VC45	Ora, Riv.	43	B, A	Bet. 1.7 Mi. W. of Orange Co. Line & Corona	4.9	4/24/50	Peter Kiewit Sons' Co.	Gr. & P.M.S. on C.T.B.	496,399	72,664	569,063

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-7VC20	Orange	43	B	Bet. Heim Ave. & Peralta School	4.6	11/14/50	D. & M. Sprinkler Co.	Roadside Planting	$11,669	$1,325	$12,994
7V166	Orange	43	B	Bet. Peralta School& Riverside Co. Line	6.2	1/ 3/51	Day Labor	Subseal	13,114		13,114
51-7VC37-F	Orange	43	B	Bet. Peralta School & Riverside Co. Line	6.1	2/23/51	A. Teichert & Son, Inc.	Gr., P.M.S. on C.T.B. & widen 2 R.C. Brs.	1,049,974	131,097	1,181,071
53-7VC42	Orange	43	B	Bet. Peralta School & Riverside Co. Line	6.3	2/ 2/53	Justice-Dunn Co.	Planting	9,622	1,700	11,322
53-7VC25	Orange	43	Npt B, A	Bet. Rte. 60 in Newport Beach & 20th St. in Costa Mesa	1.9	10/15/52	Sully-Miller Contr. Co.	Gr., & P.M.S. on C.T.B.	717,974	76,500	794,474
53-7VC57	Orange	43	Npt B, A	On Newport Blvd. Bet Rte. 60 in Newport Beach & 20th St. in Costa Mesa		4/27/53	Westates Elcl. Constr. Co.	Signals & Lights	52,125	2,500	54,625
7VC18	Orange	60	A, SlB	Bet. Los Patos Ave. in Sunset Beach & Second St. in Seal Beach	2.3	4/30/46	Griffith Co.	Widen Shldrs. & Resurf. with P.M.S.	44,921	4,005	48,926
7VC67	Orange	60	A	Bet. Los Patos Ave. & 1.3 Mi. S'ly	1.3	4/ 1/48	O'Brien & Bell Const. Co.	Gr. & P.M.S.	64,528	3,542	68,070
7V124	Orange	60	A, B, NptB	Bet. 1.3 Mi. S. of Los Patos Ave. & Rte. 43	5.3	5/11/48	Day Labor	Subseal	19,080		19,080
7VC76	Orange	60	A, NptB	Bet. 1.3 Mi. S. of Los Patos Ave. & Rte. 43	5.5	6/ 4/48	Sully-Miller Contr. Co.	Resurf. with P.M.S. on I.B.	233,050	13,952	247,002
53-7V11	Orange	60	A	At Santa Ana Riv.		7/29/52	Day Labor	Reconst. Br.	11,081	522	11,603
14VC17	Orange	60	B	Across N. Arm of Newport Bay		9/20/46	Case Const. Co.	Repair Stl. Br.	35,880	3,746	39,626
1-7VC146	Orange	60	B, LgnB	Bet. S.C.L. of Newport Beach & Myrtle Ave. in Laguna Beach	5.5	2/ 3/50	Hensler Const. Co.	Gr. & P.M.S.	351,117	28,515	379,632
7V164	Orange	60	B	Bet. Sea Scout Base & W.C.L. of Corona Del Mar	2.8	12/ 8/50	Day Labor	Subseal	15,147		15,147
51-7VC32	Orange	60	B, NptB	Bet. Sea Scout Base & S.C.L. of Newport Beach	3.7	1/19/51	Cox Bros. Const. Co.	Widen & P.M.S.	156,775	14,162	170,937
14VC13-F	Orange	60	C	Bet. Dana Point & Doheny Park	0.4	5/29/46	C. B. Tuttle & Schmidt Bros. Contrs.	C.T.B., P.M.S. & Widen R.C. Br. & Timber Trestle	206,390	20,284	226,674
1-7VVC23	Orange	60	C	On Pacific Coast Hwy. at 3d Ave. in S. Laguna		4/26/50	Clinton Elc. Co.	Signals & Lights	4,229	314	4,543
54-7VC48	Orange	60	C	Bet. Dana Point & Doheny Park	1.9	12/16/53	Sully-Miller Contr. Co.	Resurf. with P.M.S.	57,292	5,500	62,792
7VC29	Orange	60	LgnB, C	Bet. Laguna Beach & Dana Point	4.9	1/30/47	Cox Bros. Const. Co.	Gr. & P.M.S.	240,110	28,048	268,158
7VC43	Orange	60	LgnB	On Coast Blvd., Bet. Diamond St. & Myrtle St.		6/30/47	Tri-Cities Elc. Serv.	Signals	22,277	3,238	25,515
52-7VV1	Orange	60	LgnB	Bet. Cress St. & Myrtle St.		7/16/51	Day Labor	Relocate Signals	6,214		6,214

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
7VC51	Orange	60	NptB, B, A	Newport Beach & Vicinity	-----	12/18/47	C. D. Draucker Co.	Signals & Lights	$76,997	$2,447	$79,444
0-7VC75-P	Orange	60	NptB	Bet. Rte. 43 & Irvine Ave.	0.6	5/13/48	Baker & Pollock	P.M.S.	44,132	4,066	48,198
7VC20	Ora, L.A.	60, 168	SlB, B	See Los Angeles County							
53-7VC6	Orange	64	A, B	On Ortega Hwy. Bet. Zaza Cr. & Fernwood Cr. (Por.)	-----	4/25/52	Arthur A. Johnson	Reconst. 8 Cattlepasses with C.M.P.	85,977	7,173	93,150
7X98	Orange	171	A	Bet. 13th St. & 15th St.	-----	9/11/47	Day Labor	Side Drain	6,505	347	6,852
7V135	Orange	171	A	Bet. 13th St. & Hazard St.	-----	9/ 3/48	Day Labor	Drainage Correction	14,196	----------	14,196
7V155	Orange	171	A	Bet. Garfield Ave. & S. of Jct. with Rte. 179	5.4	2/21/50	Day Labor	Subseal	7,701	----------	7,701
1-7VC151	Orange	171	A	Bet. Garfield Ave. & 23d St.	5.4	4/ 1/50	Sully-Miller Contr. Co.	Gr. & P.M.S.	132,203	10,011	142,214
54-7VC13-F	Orange	171	A	On Huntington Beach Blvd., Bet. Garfield Ave. & Smeltzer Ave.	3.2	7/29/53	R. J. Noble Co.	Gr. & P.M.S. on U.R.B.	369,412	36,940	406,352
1-7VC138	Orange	171	B	On Grand Ave. Bet. Artesia & A.T. & S.F. UP	0.4	12/14/49	Cox Bros. Const. Co.	Widen & B.S.T. on U.R.B.	18,719	2,441	21,160
51-7VC21	Orange	171	B	At Orangethorpe Ave.	-----	11/15/50	Elc. & Mach. Serv. Inc.	Signals & Lights	9,293	278	9,571
52-7VC20	Orange	171	B	On Stanton Ave., Bet. Garden Grove Ave., & Lincoln Ave.	4.0	9/14/51	Roland T. Reynolds	Gr., P.M.S. on U.R.B. on I.S.M., & Sl. Ct.	419,283	50,732	470,015
54-14VC1	Orange	171	B	At Coyote Cr. Abt. 1 Mi. N. of Buena Park	0.1	4/ 1/53	Owl Truck & Const. Co.	Widen Con. Slab Br., U.R.B. & P.M.S. on Apps.	48,248	8,500	56,748
53-7VC7	Orange	171	HntB, A	Bet. Rte. 60 & 0.2 Mi. N. of Garfield Ave.	2.8	5/28/52	Cox Bros. Const Co.	Gr. & P.M.S.	465,408	43,201	408,609
7X59	Orange	174, 171	A, B	At Intrs. of Grand Ave. & Manchester Ave.	-----	6/28/46	Day Labor	Widen & Chnlz.	9,864	1,132	10,996
7XC31	Ora, L.A.	174	A, B	See Los Angeles County							
1-7VC148-F	Orange	174	A	Bet Los Angeles Co. Line & 0.2 Mi. SE. of Euclid Ave.	5.0	3/29/50	Sully-Miller Contr. Co.	Gr. & A.C. on C.T.B.	493,468	65,021	558,489
1-7VC149-F	Orange	174	A, Ana	Bet. 0.2 Mi. SE'ly of Euclid Ave. & Rte. 2	2.9	3/31/50	Griffith Co.	Gr. & A.C. on C.T.B.	322,514	51,769	374,283
1-7VC154	Orange	174	A	Bet. Artesia Ave. & Euclid Ave.	-----	5/ 5/50	Clinton Elc. Corp.	Signals & Lights	46,885	2,671	49,556
52-7VC11	Orange	174, 2, 176	A, F, A	Manchester Ave. at La Palma Ave. & Fullerton Rd. at Imperial Hwy.	-----	6/ 5/51	C. D. Draucker, Inc.	Signals & Lights	26,106	1,346	27,452
52-7VC37	Orange	174, 2	A, D	On Santa Ana Frwy., Bet. 0.25 Mi. W'ly. of Los Angeles St. & Orangewood Ave.	1.2	4/ 1/52	Webb & White	Gr., P.C.C., P.M.S., R.C. OC. & R.C. Gr. Sep.	770,172	86,235	856,407

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-7VC15	Orange	174	Ana, A	Bet. Lincoln Ave. & Los Angeles St.	-----	8/22/50	Westates Elcl. Const. Co.	Signals & Lights	$35,565	$1,270	$36,835
51-14VC22-F	Orange	174, 2	S.A, C	Bet. Broadway in Santa Ana & 1st St.	2.8	6/22/51	Winston Bros. Co.	Gr., P.C.C. on C.T.S. & 2 R.C. UC's, 2 R.C. OC's. R.C. Ped. UC., Stl. OC. & Stl. UP.	2,535,014	100,000	2,635,014
7X85	Orange	175	B	Bet. Rte. 2 & Rte. 43	4.5	3/31/47	Day Labor	Repair Shldrs.	5,825	----------	5,825
0-7VC118	Orange	175	B	At Yorba Rd.	0.5	5/26/49	K & H Co.	Gr. & P.M.S. on U.R.B.	48,622	5,255	53,877
53-7VC29	Ora, L.A	175, 170, 178	B, B, A	See Los Angeles County							
14VLC4	Orange	176	A	Across Coyote Cr., W. of Brea	-----	11/ 3/47	O. B. Pierson	R.C. Br.	25,916	5,583	31,499
1-7VC111	Orange	176	A	At Coyote Cr.	-----	4/20/49	Jas. R. Mathews Excavating Co.	Metal Plate Pipe Arch Culv.	10,412	1,542	11,954
53-14VC18	Orange	176	A	Bet. Esperanza Rd. & Rte. 43	0.6	10/22/52	J. A. Thompson & Son	Gr., P.M.S. on U.R.B. & R.C. Br.	256,730	31,000	287,730
54-7VC24	Orange	176	A	On Imperial Hwy. Abt. 0.3 Mi. E. of E. City Limits of Brea	-----	9/11/53	A. H. Famularo	Replace C.M.P. Culv.	4,264	500	4,764
54-7VC3	Orange	176	A, LHbr	Bet. La Miranda Ave. & Fullerton Rd.	2.0	6/26/53	Griffith Co.	Gr. & A.C. on U.R.B.	161,003	13,600	174,603
0-14VC73	Orange	178	A	Across Santa Ana Riv.	0.7	10/29/48	Chas. MacClosky Co.	R.C. Br. & Apps.	296,780	22,483	319,263
52-7VC6	Orange	179	A	Bet. Stanton Ave. & Pacific Elc. Tracks in Garden Grove	3.0	5/24/51	Roland T. Reynolds	Widen & P.M.S.	74,364	8,626	82,990
54-14VC5	Ora, L.A	179	A, A	See Los Angeles County							
7XC17	Orange	183	A	Bet. Verano St. & W.C.L. of Santa Ana	1.8	6/10/46	John J. Swigart Co.	Resurf. with P.M.S. & Widen Shldrs.	26,608	3,447	30,055
7V143	Orange	184	S.A, A	Bet. Delhi Rd. & Newport Rd.	1.7	3/29/49	Day Labor	Resurf.	38,909	1,964	40,873
52-7VC25	Orange	185	LgnB, A	On Laguna Canyon Rd. Bet. Forest Ave. & 0.2 Mi. N. of Canyon Acres Dr.	0.9	1/ 7/52	Nappe Const. Co., Inc.	Gr. & P.M.S. on U.R.B.	276,294	21,789	298,083
7XC26	Ora, L.A	Var	----------	See Los Angeles County							
7VC52	Ora, L.A	Var	----------	See Los Angeles County							
52-8VC6	Ora, SBd, Riv	Var	Var	See San Bernardino County							
7DC5-P	Orange	FAS 737	----------	Bet. Los Angeles Co. Line & Manchester Ave.	3.1	8/12/49	Sully-Miller Contr. Co.	Gr. & P.M.S. on C.R.B.	110,962	1,375	112,337
7DC2	Orange	FAS 742	----------	On Harbor Blvd., Bet. Wilson St. in Costa Mesa & Manchester Ave. S. of Anaheim	11.2	12/31/46	Griffith Co.	Widen & P.M.S.	238,466	13,699	252,165

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-7DC1-P	Orange	FAS 747		On Wright-Brookhurst St., Bet. Wintersburg Ave. & Santa Ana Frwy.	8.9	8/30/51	Sully-Miller Contr. Co.	Gr., Widen & P.M.S. on U.R.B.	$261,901	$2,001	$263,902
54-7DC1	Orange	FAS 747		On Wright St. Bet. State Hwy. Rte. 60 & Wintersberg Ave.	5.8	9/24/53	Sully-Miller Contr. Co.	Gr. & P.M.S. on U.R.B.	263,711	15,000	278,711
7DC4	Orange	FAS 749		On Wintersburg Ave. & Los Patos Ave. Bet. Huntington Beach Blvd. & Coast Hwy.	3.8	7/29/48	Sully-Miller Contr. Co.	Gr. & P.M.S.	118,226	1,336	119,562
53-7DC1	Orange	FAS 1182		On Bristol St. & Palisades Rd. Bet. Delhi Rd. & MacArthur Blvd.	4.3	9/24/52	Sully-Miller Contr. Co.	Gr., P.M.S. on U.R.B., B.S.T. on U.R.B. Shldrs.	241,601	1,581	243,182
	Orange			Various Locations				Minor Contrs. & D.L. Projs.	87,929		87,929
3T51	Placer	3	A	Bet. 1.9 Mi. N. of Roseville & 1.0 Mi. S. of Lincoln	5.1	8/22/46	Day Labor	R.M.S. on Borders	17,742	387	18,128
1-14TC81	Placer	3	A, B	Bet. 3.5 Mi. S. of Roseville & 0.9 Mi. S. of Sheridan		10/31/49	Frederickson Bros.	4 R.C. Br. & Apps.	117,286	13,027	130,313
53-3TC1	Pla, Sac	3	A, B, A	See Sacramento County							
1-3TC65	Pla, Yub	3	B, A, B	Bet. N. of Lincoln & S. of Marysville	20.2	7/19/49	O'Conner Bros.	Extend Drainage Facilities	43,841	3,372	47,573
1-3TC66	Placer	3	B	At Sheridan	0.3	7/22/49	Rice Bros., Inc.	Gr. & P.M.S.	29,410	3,256	32,666
0-14TC55	Placer	3	Rsv, A	Bet. Grant St. in Roseville & 2 Mi. N. of the City Limit	3.3	10/19/48	Guy F. Atkinson Co.	Gr., P.C.C., Stl. UP. & 2 R.C. OCs.	1,471,161	130,853	1,602,014
51-3TC16	Placer	3	Rsv	Bet. Oak St. & Holt St.		4/24/51	Dana R. Tyson Co.	Roadside Development	15,747	2,344	18,091
53-3TC2-P	Placer	3, 17	Rsv	On Vernon St. at Riverside Ave.-Douglas St., Judah St., Grant St. & Lincoln St.		5/15/52	R. Goold & Son	Signals, Lights & Chnlz.	21,835	1,838	23,673
3TC27	Placer	17, 37	B, Aub, A	Bet. 0.1 Mi. W. of Nevada St. & 1 Mi. E. of Auburn	2.6	6/24/46	Frederickson & Watson Const. Co.	Gr., P.C.C. & P.M.S.	632,576	59,879	692,455
3TC34	Placer	17, 37	B, Aub	At. Nevada St. & East St. UC.		4/ 1/47	L. H. Leonardi Elc. Const. Co.	Lights	10,087	911	10,998
3TC33-F	Placer	17	C	Bet. Wise Canal & Rock Cr.	1.9	3/11/47	Frederickson & Watson Const. Co.	Gr., P.M.S. & S.P. R.R. UP.	241,312	27,780	269,092
51-3TC15	Placer	17	C	At Deadman's Curve	0.2	4/ 2/51	Joe Chevreaux	Gr. & P.M.S.	17,526	2,605	20,131
52-3TC19	Placer	17	C	Bet. 1.7 Mi. & 2.3 Mi. N. of Auburn	0.3	3/21/52	Joe Chevreaux	Widen & P.M.S. on U.R.B.	20,855	2,130	22,985

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
3TC32-F	Placer	17	Aub, C	Bet. Rte. 37 in Auburn & Wise Canal	1.7	9/16/46	Frederickson & Watson Const. Co.	Gr. & P.M.S. on C.R.B.	$186,350	$18,139	$204,489
3TMC14	Placer	17	Rsv	Bet. Jefferson St. & E.C.L.	0.9	4/22/48	J. R. Reeves	P.M.S.	8,121		8,121
0-3TC60-F	Placer	37	A	Bet. 1 Mi. E. of Auburn & 1 Mi. W. of Applegate	6.1	5/20/49	United Conc. Pipe Corp., Ralph A. Bell, Westbrook & Pope	Gr. & 2 R.C. OH's.	1,177,159	113,133	1,290,292
51-3TC4	Placer	37	A	Bet. 1 Mi. E. of Auburn & 1 Mi. W. of Applegate	6.1	5/24/50	Frederickson Bros.	P.M.S. on C.T.B.	330,448	29,793	360,241
53-3TC5	Placer	37	A	Bet. 1 Mi. E. of Auburn & 1 Mi. W. of Applegate	6.1	6/23/52	Howard B. Folsom	Seal Coat	17,381	2,030	19,411
53-3T11	Placer	37	B	Bet. Sta. 231+00 & Sta. 242+00 near Sleepy Hollow		6/20/52	Day Labor	Reconst. Pavement	5,656		5,656
53-3T22	Placer	37	B	Bet. 2.0 & 2.5 Mi. W. of Colfax		5/ 7/53	Day Labor	Curves	5,968	68	6,036
3T91	Pla, Nev	37	C, D, E, F, B, C, D	Bet. Colfax & Truckee		7/ 1/49	Day Labor	Parking Areas	27,593		27,593
14TC7-F	Placer	37	Aub	At Walsh St.		1/ 5/46	Wm. E. Thomas Const. Co.	R.C. UC.	30,584	4,436	35,020
14TC4	Placer	37	Aub	At East St.		1/ 5/46	H. W. Ruby	Stl Gr. Sep.	59,712	5,993	65,705
14TC6	Placer	37	Aub	Across S.P.R.R. in Auburn		1/ 8/46	H. W. Ruby	Stl. Overhead	94,387	6,922	101,309
3TC50	Placer	37	Aub, A	Bet. Nevada St. & 0.5 Mi. E. of Auburn	1.8	4/ 1/48	Frederickson & Watson Const. Co.	Fence & Barrier Posts	12,872	985	13,857
3W29	Placer	38	B, C	Bet. 4.7 Mi. W. of Tahoe City & 1.7 Mi. S. of Nevada Co. Line	7.3	1/ 3/46	Day Labor	Sl. Ct. & Stripe	8,511		8,511
3WC9	Pla, Nev	38	B, C, A	Bet. 4.7 Mi. W. of Tahoe City & Nevada Co. Line & Bet. Truckee Wye & Church St.	8.5	7/ 1/46	Clements & Co.	Repair with P.M.S. & Sl. Ct.	133,935	12,132	146,067
14WLC41	Pla, E.D	65	A, A	Across N. Fork American Riv.	0.3	9/16/46	H. W. Ruby	Stl. Br. & Apps.	250,236	16,697	266,933
3T92	Placer	65	Aub	Bet. 0.4 Mi. W. Auburn City Limits & R.R. Underpass	0.3	7/ 1/49	Day Labor	Gr. & R.M.S. on C.R.B.	22,014	2,863	24,877
52-3TC24	Pla, E.D	65	Aub, A, A	Bet. 0.4 Mi. W. of Auburn City Limit & 1.3 Mi. S. of N. Fork American Riv.	2.2	6/19/52	C. W. Peterson	Gr., C.T.B. & Sl. Ct.	197,365	33,995	231,360

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
3DC17-P	Placer	FAS 767		Bet. N. Fork American Riv. & 2.3 Mi. E'ly	2.3	9/15/49	J. P. Brennan & M. W. Brown	Gr.	$227,362	$22,539	$249,901
53-DC6	Placer	FAS 768		Auburn-Folsom Hwy. Bet. 6.3 Mi. & 9 Mi. N. of Sacramento Co. Line	2.7	12/26/52	Paul E. McCollum & C. L. Cypher	Gr., U.R.B., Pen. Tr. & Sl. Ct.	133,560	18,100	151,660
3DC5	Placer	FAS 768, 769, 770		Bet. Loomis & Auburn & Bet. FAS Rte. 768 & Newcastle	11.9	8/ 7/47	H. Earl Parker, Inc.	Gr. & R.M.S.	138,611	16,912	155,523
	Placer			Various Locations				Minor Contrs. & D.L. Projs.	19,757		19,757
0-2TC26	Plumas	21	A	Bet. Rock Cr. & Belden	1.9	4/21/48	Piombo Const. Co. & M & K Corp.	Gr.	892,851	58,802	951,653
1-2TC37	Plumas	21	A	Bet. Rock Cr. & Belden	3.4	7/ 7/49	Granite Const. Co.	Gr. & P.M.S.	155,707	23,497	179,204
55-2TC7	Plumas	21	A, B, C	Bet. Grizzly Cr. & Spanish Cr.		5/18/54	Fredericksen & Kasler	M.P. Guard Railing	12,507	1,250	13,757
2TC29	Plu, Sha, Tri	21, 20	B, B, A	Near Keddie, Schilling, & Douglas City		6/29/48	Liston Ehorn	Truck Scales	25,374	3,903	29,277
51-2TC5	Plumas	21	D	At Quincy H. S. Line Change	0.4	6/ 5/50	Steele & Easton	Gr. & P.M.S.	25,755	6,159	31,914
53-2T14	Plumas	21	F, G	Bet. Feather Riv. Inn & 2 Mi. E. of Beckwourth	6.0	6/24/52	Day Labor	Surface	76,155	1,145	77,300
54-2TC5	Plumas	21	F	At Willow Cr., 4.3 Mi. W. of the W. City Limits of Portola		7/15/53	Paul E. McCollum	R.C. Culv. & Apps.	26,725	2,670	29,395
53-2TC1	Plu, Las	21	G, A	Bet. Beckwourth Pass & Rte. 29	4.2	4/14/52	Eaton & Smith	Gr., P.M.S. on C.T.B. & Stl. OH.	435,905	50,000	485,905
51-2TC6	Plu, Sha, Sis	21, 29, 3	Var	See Shasta County							
14TC14	Plumas	29	A	Across N. Fork of Feather Riv. at Chester		8/ 9/46	C. C. Gildersleeve	Sidewalks on Br.	6,288	179	6,467
2TC20	Plu, Las	29	A, A	Bet. 0.3 Mi. W. & 0.8 Mi. E. of Plumas-Lassen Co. Line	1.1	4/21/47	Frederickson & Watson Const. Co.	Gr. & P.M.S.	89,551	9,645	99,196
1-2TC38	Plumas	29	A	Bet. Rte. 83 & 1.4 Mi. E. of Chester	4.4	7/20/49	Clements & Co.	Gr. & P.M.S.	146,569	18,950	165,519

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-14TC40	Plumas	83	A	Across Sulphur Cr.		4/19/48	Chittenden & Chittenden	R.C. Br. & Apps.	$51,802	$8,559	$60,361
54-14TC18	Plumas	83	A	At Graeagle Cr. Abt. 1.6 Mi. S. of Blairsden	0.1	6/12/53	Minton Co., Contrs.	R.C. Br. & Apps.	60,114	6,000	66,114
14DC1	Plumas	FAS 523		Across Hamilton Branch		5/ 9/46	Kiss Crane Co.	Stl. Br.	69,653	7,875	77,528
2DC4	Plumas	FAS 523		Bet. Rte. 83 near Almanor & Plu-Las. Co. Line, 2 Mi. W. of Westwood	9.9	8/ 7/46	Frederickson & Watson Const. Co.	Gr. & P.M.S. on C.R.B.	366,487	37,070	403,557
53-14DC3	Plumas	FAS 1061		Across Middle Fork Feather Riv. & over the W.P.R.R. Tracks in the City of Portola		5/11/53	Walsh Const. Co.	2 Stl. Girder Brs. & Apps.	266,707	25,300	*292,007
52-2DC1	Plumas	FAS 1062		At Indian Cr. Abt. 0.8 Mi. S. of Crescent Mills	0.7	8/28/51	M. A. Jenkins & R. E. Hertel	Gr., R.M.S. on C.R.B. & R.C. Br.	176,036	16,650	192,686
	Plumas			Various Locations				Minor Contrs. & D.L. Projs.	61,073		61,073
8VC6	Riverside	19	A	Bet. Mira Loma & 2.5 Mi. W. of Riverside	5.9	12/18/45	Geo. Herz & Co.	Gr. & P.M.S.	686,302	40,183	726,485
8VC10	Riv, SBd	19	A, B	See San Bernardino County							
8VC11	Riverside	19	A	Bet. Mira Loma & 2.5 Mi. W. of Riverside	5.9	3/20/47	George Herz & Co.	Seal Coat	8,604	934	9,538
8VC12	Riv, SBd	19, 43, 9	A, A, A	See San Bernardino County							
0-8VC41	Riverside	19	A	Bet. Mira Loma & 2.5 Mi. W. of Riverside		6/28/49	Covina Const. Co.	Gr. & P.M.S.	40,685	9,256	49,941
52-8VC17	Riverside	19	A	At Intrs. Mission Blvd. with Bloomington Blvd.-Nakoma Ave.		3/21/52	Paul R. Gardner	Signals, Lights & Chnlz.	17,679	1,829	19,508
54-8VC20	Riverside	19	B	Intrs. of 8th St. with Iowa Ave., near Riverside		2/23/54	Paul R. Gardner	Signals & Lights	15,570	500	16,070
52-8VC19	Riverside	19, 194	D, C	Intrs. Rte. 19 with Rte. 194, Abt. 8 Mi. W. of Beaumont		4/28/52	E. L. Yeager Co.	Chnlz.	12,054	2,103	14,157
1-8VVC3	Riverside	19	Riv	On Pepper St. at 7th St.		8/18/49	Ed Seymour	Signals	11,270	1,166	12,436
52-8VC3	Riverside	19	Riv	Bet. S.P.R.R. & Sedgewick Ave.	0.4	4/ 2/51	R. A. Erwin	Widen & P.M.S.	35,574	11,135	46,709
53-8VC18-P	Riverside	19, 43	Riv	8th St. Bet. Walnut St. & Park Ave., 1st St. Bet. Main St. & Market St., & Market St. Bet. 1st St. & 14th St.		3/ 5/53	Fischbach & Moore, Inc.	Signals & Chnlz.	24,614	1,364	25,978

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
8VC9-P	Riverside	26	B, Ban	Bet. Midway & E.C.L. of Banning	3.1	6/26/46	Herz Paving Co.	Repair with P.M.S. & Gr. Shldrs.	$52,245	$2,755	$55,000
14VC43	Riverside	26, 64	C, Q	NW. of Indio & W. of Indio		12/31/47	E. S. & N. S. Johnson	Redeck 5 Timber Brs.	35,202	4,902	40,104
8VC23	Riverside	26	C	Bet. E.C.L. of Banning & Rte. 187	10.5	5/27/48	Basich Bros. Const. Co. & Basich Bros.	P.M.S.	177,589	10,896	188,485
52-8VC5-F	Riverside	26	C, D	Bet. 0.6 Mi. W. of Rte. 187 & 1.2 Mi. E. of Whitewater	3.9	5/31/51	Basich Bros. Const. Co., N. L. Basich & R. L. Basich	Gr., P.M.S. on C.T.B. & 2 R.C. Brs.	1,059,817	105,500	1,165,317
1-8VC32	Riverside	26	D	Bet. Garnet & Edom	10.4	4/ 1/49	R. P. Shea Const. Co.	P.M.S.	133,261	9,383	142,644
54-8VC7-F	Riverside	26	D	Bet. 1.2 Mi. E. of Whitewater & 2.3 Mi. W. of Garnet	2.3	6/ 1/53	Basich Bros. Const. Co. & R.L. & N. L. Basich	Gr. & P.M.S. on C.T.B.	356,076	35,600	391,676
0-11VC27	Riverside	26	E	Bet. Edom & 2.9 Mi. N. of Indio	7.4	4/ 1/48	R. P. Shea Co.	P.M.S.	78,430	8,399	86,829
51-14VC3	Riverside	26	G	Across Almar Ditch		7/13/50	C. B. Tuttle Co.	R. C. Br.	32,420	6,309	38,729
53-11V16	Riv, Imp	26, 64	G, E; B, C, H, I	Bet. Gravel Wash Br. & Perone Ditch Br. on Rte. 26 & Bet. Conflagration Ditch Br. & Buried Mountain Wash Br. on Rte. 64		2/11/53	Day Labor	Guard Rails on Apps.	8,277		8,277
0-8VMC4-P	Riverside	26	Bau	Bet. Magnolia Ave. & Pennsylvania Ave.	0.6	9/ 8/48	Foster & McHarg	Curbs & Gutters	10,442	1,515	11,957
1-8VC42-F	Riv, SBd	26	Bau, A, B	See San Bernardino County							
51-8VC13	Riv, SBd	26	Bay, A, B	See San Bernardino County							
52-8VC1	Riverside	26	Bau	Bet. W.C.L. & E.C.L.	1.2	4/ 2/51	Matich Bros.	P.M.S.	25,342	2,069	27,411
54-8VC16-P	Riverside	26	Bau	Intrs. of 6th St. with California Ave.-Grace Ave. & with Beaumont Ave.		10/28/53	Fischbach & Moore	Signals & Lights	25,442	1,185	26,627
52-11VC2	Riverside	26, 64	Ind, F, Coa, Ind	Bet. Indio & Ave. 62	9.3	4/ 2/51	John J. Swigart Co.	Gr. & P.M.S.	355,208	43,951	399,159
1-8VC45	Riv, Ora	43	A, B	See Orange County							
0-14VC51	Riverside	43	B	Across Temescal Wash	0.5	4/ 1/48	Dimmit & Taylor & K. B. Nicholas	R.C. Br. & P.M.S. on Apps.	168,546	16,979	185,525
53-8V12	Riverside	43	B	Vicinity of Buchanan St.		6/27/52	Riverside County Flood Control & Water Conservation Dist.	Storm Drain	10,800		10,800

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-8VC48	Riverside	43	Cor	Bet. W.C.L. & E.C.L.	2.6	6/21/50	E. L. Yeager Co.	P.M.S., Lights, Signals	$294,165	$44,786	$338,951
52-8VC15-P	Riverside	43	Cor	On 6th St. at W. Grand Blvd. & at E. Grand Blvd.	-----	11/27/51	Ed. Seymour	Signals & Lights	10,190	881	11,071
1-8VC36	Riv, SBd	43	Riv, C, F	Bet. Russell St. & 0.3 Mi. N. of San Bernardino Co. Line	2.6	5/26/49	J. A. Payton	Gr. & P.M.S. on C.T.B.	478,467	71,441	549,908
51-8VC4-P	Riverside	43	Riv	At Van Buren St.	-----	9/ 6/50	Paul R. Gardner	Signals & Lights	11,746	761	12,507
51-8VC7	Riv, SBd	43	Riv, C, F	Bet. Russell St. & 0.1 Mi. N. of SBd. Co. Line	-----	10/20/50	H. C. Warren	Lights	10,510	1,192	11,702
52-8VC7-P	Riverside	43	Riv	At Central Ave., Brockton Ave. & at Jurupa St.	-----	6/15/51	Fischbach & Moore, Inc.	Signals & Chnlz.	27,982	1,192	29,174
53-8VC6-P	Riverside	43	Riv	Intrs. of Magnolia Ave. with Arlington Ave.-Palm Ave.	-----	6/11/52	Paul R. Gardner	Signals & Chnlz.	13,304	1,328	14,632
52-8VC22	Riv, SBd	43	Riv, C, F	Bet. Russell St. & San Bernardino Co. Line	2.3	6/27/52	Henry C. Soto Corp.	Planting & Watering System	41,658	4,399	46,057
1-11VC39	Riverside	64	B, D	Bet. Shavers Well & Desert Center & Bet. 4 Mi. W. Hopkins Wells & Black Butte	10.9	4/21/49	Hensler Const. Corp.	R.M.S.	65,976	6,172	72,148
11VC8	Riverside	64	C, D	Bet. 6 Mi. E. of Desert Center & Hopkins Well	10.4	4/30/46	Arthur A. Johnson	R.M.S. & Sl. Ct.	57,207	5,633	62,840
52-14VC11	Riverside	64	C, D	Bet. 10 & 36 Mi. W. of Blythe	-----	10/30/51	Norman I. Fadel	Redeck 19 Timber Brs. with R.C. Slabs	90,368	8,062	98,430
54-14VC16	Riverside	64	C	Across Oban Ditch Abt. 42 Mi. W. of Blythe	-----	1/22/54	C. B. Tuttle	R.C. Br.	21,684	2,165	23,849
54-11VC5	Riverside	64	C, D, E, Bly, F	Bet. Desert Center & the Colorado Riv. (Por.)	22.3	6/16/53	John J. Swigart	P.M.S. & Sl. Ct.	114,965	11,495	126,460
11XC15-P	Riverside	64, 146	E, A, B, C, D, E	Bet. 1.9 Mi. W. of Palowalla & 3.9 Mi. W. of Blythe & Bet. 3.6 Mi. N. of Imp. Co. Line & 1.8 Mi. S. of SBd. Co. Line	12.3	4/11/47	MacArthur & Son	Repair with R.M.S.	50,019	3,021	53,340
11VC21-F	Riverside	64	E, Bly, F	Bet. 4 Mi. W. of Blythe & Colorado Riv.	1.8	1/20/48	Arthur A. Johnson	Gr., B.S.T. & R.C. Struct.	207,092	27,037	234,129
0-11VC32-P	Riverside	64	E, Bly	Bet. 4 Mi. W. of Blythe & Colorado Riv.	8.3	6/24/48	Basich Bros. Const. Co. & Basich Bros.	P.M.S. on C.T.B.	230,954	17,809	248,763
11V19	Riverside	64	H, B	Bet. Sta. 489-H & Sta. 505-B	1.2	8/13/46	Day Labor	Detours & Apps.	7,342	----------	7,342
14VC19	Riverside	64	H, B	Near Indio	-----	9/16/46	E. G. Perham	Repair 5 Timber Brs.	37,195	3,714	40,909

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14VC21	Riverside	64	H	Across Coachella Canal, 5 Mi. E. of Indio	-----	11/15/46	F. Fredenburg	R.C. Br.	$37,483	$3,429	$40,912
0-14VC78	Riverside	64	H	Across Sleepy Draw	-----	2/ 3/49	John Strona	R.C. Br.	29,580	3,936	33,516
1-14VC94	Riverside	64	H	Across Smokey Gulch & Coachella Storm Drain	-----	9/23/49	K. B. Nicholas	Redeck Timber Br. & Const. R.C. Br.	94,188	9,365	103,553
1-11VC61	Riverside	64	H, I, B, C, D	Bet. Indio & Black Butte (Pors.)	21.4	6/22/50	R. P. Shea Co.	Resurf. with P.M.S.	82,645	15,287	97,932
52-11VC5	Riverside	64	H, I, B, C, D	Bet. Indio & Black Butte	22.4	5/23/51	James L. Miller & Sons	P.M.S.	166,409	14,857	181,266
53-11VC4	Riverside	64	H, I, B, C, D	Bet. Indio & Black Butte (Por.)	66.1	5/ 5/52	Basich Bros. Const. Co., N. L. & R. L. Basich	R.M.S. & Seal	212,740	19,755	232,495
52-8VC4	Riverside	64	K	Bet. 2 Mi. W. of Hemet & Sanderson Ave.	1.0	5/ 8/51	R. A. Erwin	Gr. & P.M.S.	44,368	7,940	52,308
54-8VC5	Riverside	64	N	At Colt Cr. Abt. 34 Mi. E. of Hemet	-----	4/28/53	D. E. Higday	Plate Culv. Remov. Timber Br.	9,940	900	10,840
8VMC2	Riverside	64	Hem	Bet. State St. & E.C.L.	0.8	6/ 8/48	R. A. Erwin	P.M.S.	12,120	----------	12,120
1-8VC33	Riverside	64, 194	Hem	Bet. W.C.L. & State St. & Bet. Rte. 64 & N.C.L.	1.5	4/ 1/49	Geo. Herz & Co.	P.M.S.	18,152	1,029	19,181
54-11VC6	Riverside	64	Ind	Bet. 0.1 Mi. W. of Arabia St. & 0.1 Mi. E. of California St.	0.9	6/22/53	Matich Bros.	Widen, R.M.S. on C.T.B. & Sl. Ct.	48,056	4,800	52,856
8VC27	Riverside	77	A	Bet. San Diego Co. Line & N. of Temecula	5.9	6/24/48	Morrison-Knudsen Co., Inc.	Gr., P.M.S. & 2 R.C. Brs.	700,772	81,067	781,839
51-8VC8-F	Riverside	77, 78	A, C	Bet. 1 Mi. N. of Temecula & Antelope Rd.	7.0	11/27/50	L. A. & R. S. Crow	Gr., R.M.S. & 2 R.C. Brs.	633,849	94,503	728,352
53-8VC24	Riv, SBd	77, 78, 43	A, C, SBd	Various Locations Bet. Temecula & Perris & in San Bernardino	15.0	5/26/53	E. L. Yeager Co.	Sl. Ct.	36,755	3,675	40,430
1-8VC37	Riv, SBd	77	C, A	See San Bernardino County							
54-8VVC1	Riverside	77	C	Abt. 2.9 Mi. NW. of Elsinore	-----	11/24/53	George Herz & Co.	Reconstruct Curve	3,481	400	3,881
0-14VC86-Y	Riverside	77	E	W. of Corona	-----	5/25/49	R. M. Price Co. & O. B. Pierson	2 Stl. OH., R.C. UC., Stl. Br. & Stl. Gr. Sep.	451,103	49,976	501,079
1-8VC39	Riv, SBd	77, 192	E, A, A	Bet. Rte. 43 & Pine Ave.	6.5	7/ 7/49	A. Teichert & Son, Inc.	Gr., P.M.S. & Stl. Struct.	621,638	93,536	715,174

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
11V52	Riv, S.D.	77	F, G, A	See San Diego County							
11X30	Riv, S.D.	77	F, F, G	See San Diego County							
52-8VC9	Riverside	77	Cor	Bet. E.C.L. & Main St.	2.4	8/ 9/51	E. L. Yeager Co.	Widen & P.M.S. on I.B.M.	$40,153	$4,464	$44,617
53-8VC5	Riverside	77, 193	Cor	Bet. Ontario Ave. & N.C.L.	2.7	5/13/52	A. Teichert & Son, Inc.	Resurf. with P.M.S.	63,365	10,087	73,452
52-14VC3	Riverside	78	A	Across Cienega Rincon Cr., Abt. 0.6 Mi. E. of Aguanga	-----	10/ 5/51	H. R. Breeden	R.C. Culv.	17,823	2,363	20,186
53-8VC4	Riverside	78	A	At Lemay Cr. & Rockhaven Cr. near Aguanga	-----	5/ 5/52	E. G. Perham	R.C. Cattlepass & Pipe Culv.	20,790	5,850	26,640
52-8VC13-F	Riverside	78	C	Bet. Antelope Rd. & Rte. 64	10.5	9/28/51	E. L. Yeager Co.	Gr. & P.M.S. on I.B.M.	751,181	73,964	825,145
52-8V16	Riverside	78	C	Bet. Antelope Rd. & Rte. 64	10.4	6/20/52	Day Labor	Maintain Co. Rd. for Detour	5,137	----------	5,137
53-8VC9-F	Riverside	78	C, Per, D	Bet. Rte. 64 & Nuevo Rd.	4.7	7/23/52	E. L. Yeager Co.	Gr., Lights, P.M.S. on C.T.B., 2 R.C. OC's, 9 R.C. Brs.	764,763	80,000	844,763
52-8V11	Riverside	78	D	At Alessandro Blvd.	-----	9/14/51	Day Labor	Chanlz.	6,932	----------	6,932
52-8VC14	Riverside	78	D	At Alessandro Blvd.	-----	11/15/51	Fischbach & Moore, Inc.	Signals & Lights	14,037	1,424	15,461
54-8VC4-F	Riverside	78	D	Bet. Nuevo Rd. & March Air Force Base	4.8	4/ 1/53	Robt. E. L. Parker Co.	Gr., P.M.S. on C.T.B. & Existing Pvmt.	409,227	40,900	450,127
53-8VC25	Riverside	78	D	Intrs. of Rte. 78 with Alessandro Blvd.	-----	6/ 4/53	Fischbach & Moore, Inc.	Revise Signals	2,809	280	3,089
54-8VC14	Riverside	78	Per	On "D" St. Bet. 4th St. & 0.2 Mi. N. of San Jacinto Ave.	0.5	10/ 5/53	George Herz & Co.	P.M.S.	10,140	1,000	11,140
11XC13	Riverside	146	A, B, C, D, E	Bet. 1.3 Mi. N. of Imp. Co. Line & 0.5 Mi. S. of SBd. Co. Line	15.4	8/22/46	Arthur A. Johnson	Repair with I.B.M. & R.M.S.	54,272	5,629	59,901
0-14VC88	Riverside	146	A, B, C	Bet. 3.3 Mi. N. Imp. Co. Line & 4 Mi. N. Blythe	-----	6/18/49	E. G. Perham	3 R.C. Brs. & Apps.	47,600	7,442	55,042
53-11VC10	Riverside	146	A, B	Across Palo Verde Lagoon, at West C Canal & at C-03 Canal	0.6	10/ 6/52	Sooy & Jackson & Marks Bros. Const. Co.	2 R.C. Pipe Siphons, Grade, R.M.S. & R.C. Br.	83,519	7,574	91,093
51-11VC5	Riverside	187	A, B	Bet. Imperial Co. Line & 3 Mi. SE. of Mecca	14.8	11/15/50	Griffith Co.	Gr. & R.M.S. on I.B.M.	525,236	70,822	596,058
11VC28	Riverside	187	B, F	Bet. 3 Mi. SE. of Mecca & 2.3 Mi. SE. of Thermal	6.8	5/21/48	Hensler Const. Co.	Gr., I.B., I.B.M., B.S.T. & 3 R.C. Brs.	409,443	34,420	443,863

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
8XC13	Riverside	187	C	Near Cathedral City	-----	8/29/47	R. P. Shea Co.	Dips	$6,491	$1,369	$7,860
0-8VC22	Riverside	187	C	Bet. 0.1 Mi. & 0.6 Mi. E. of Cathedral City	0.5	5/13/48	Westbrook & Pope	Gr. & P.M.S. on I.B.	54,375	4,574	58,949
53-8VC20	Riverside	187	C	Bet. 0.3 Mi. E. of Cathedral City & 1.0 Mi. W. of Rte. 64 (Por.)	1.3	4/ 2/53	Matich Bros. & Matich Bros. Paving Co.	Gr. & P.M.S.	106,953	10,695	117,648
8VC16	Riverside	187	D	Bet. White Water Point & 0.5 Mi. N. of Palm Springs	4.1	12/11/47	Peter Kiewit Sons' Co.	Gr., P.M.S. & 3 R.C. Structs.	357,164	41,590	398,754
51-8VC9	Riverside	187	E	Bet. 7.8 Mi. & 8.2 Mi. N. of Rte. 26	0.4	11/27/50	R. P. Shea Co.	Gr. & B.S.T.	32,178	5,874	38,052
1-8VC34	Riverside	187	PSp	In Palm Springs	2.5	5/10/49	R. P. Shea Co.	P.M.S.	23,214	1,723	24,937
0-8VC26	Riverside	193	B	Bet. Bellgrave Ave. & Rte. 19	3.0	6/10/48	R. A. Erwin	Resurf. with P.M.S.	55,522	5,183	60,705
8X5	Riverside	194	A	Bet. Sage & Jct. of Rte. 78	-----	5/20/46	Day Labor	Gr., Surf. & C.M.P. Culvs.	14,472	----------	14,472
0-14VC70	Riverside	194	C	Across Potrero Cr.	-----	9/29/48	H. R. Breeden	Widen R.C. Br. & Apps.	15,090	3,380	18,470
54-11VC22	Riverside	204	A	At Coachella Storm Drain Abt. 1.8 Mi. W. of Jct. Rtes. 187 & 204 near Mecca	0.1	4/13/54	Marks Bros. Const. Co.	Gr. & P.M.S. on I.B.M.	5,805	580	6,385
52-8VC6	Riv, SBd, Ora	Var	Var	See San Bernardino County							
51-8DC3-P	Riv, SBd	FAS 693	----------	See San Bernardino County							
8DC5	Riv, SBd	FAS 695	----------	On Archibald Ave., Bet. Cloverdale Ave. & Valley Blvd.	6.0	9/ 4/47	Peter Kiewit Sons' Co.	Gr., I.B. & P.M.S.	190,421	17,609	208,030
8DC3	Riverside	FAS 699	----------	On Jurupa Ave., Bet. Mira Loma & Sunnyslope	5.3	7/ 8/47	Peter Kiewit Sons' Co.	Gr. & P.M.S.	111,807	11,499	123,306
52-8DC1-P	Riverside	FAS 701	----------	On Hole & Holden Aves., Bet. W. Riverside City Limits & Arlington Ave.	3.6	7/23/51	R. A. Erwin	Gr. & P.M.S. on C.T.B.	180,121	2,163	182,284
8DC1	Riverside	FAS 706	----------	On B St. & Crestmore Rd. Bet. Rte. 19 & San Bernardino Co. Line	2.9	3/12/47	E. L. Yeager	Gr., & P.C.C.	117,067	9,902	126,969
8DC13-P	Riverside	FAS 718	----------	On Lakeview Ave., Bet. Nuevo & Lakeview	2.9	11/14/50	Foster & McHarg	Gr. & R.M.S. on C.T.B.	70,289	5,185	75,474
14DC29	Riverside	FAS 720	----------	Across Santa Gertrudis Cr.	0.4	10/ 9/47	Foster & McHarg	R.C. Br. & Apps.	37,335	1,409	38,744

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
8DC9	Riverside	FAS 720		Bet. Benton Rd. & Winchester	8.7	7/29/49	Geo. Herz & Co.	Gr., I.B. & B.S.T.	$305,273	$23,112	$328,385
51-14DC7-P	Riverside	FAS 734		Across Coachella Valley Storm Drain		2/20/51	F. Fredenburg	R.C. Br.	70,578	2,721	73,299
11DC6	Riverside	FAS 735		Bet. Blythe & Palo Verde Mesa	5.8	11/14/49	Nathan A. Moore	Gr., B.S.T., & R.C. Br.	131,163	7,847	139,010
53-11DC2	Riverside	FAS 735		Lovekin Blvd. Bet. 18th Ave. & Chanslor Way	3.1	12/ 5/52	E. C. Young	Gr., I.B.M. with B.S.T.	108,326	8,444	116,770
11DC2	Riverside	FAS 1162		On Jackson St. Bet. 56th Ave. & 4.9 Mi. S. of Indio & 46th Ave. in Indio	5.0	10/29/48	Foster & McHarg	Gr., I.B. & B.S.T.	101,229	6,000	107,229
52-14DC4-P	Riverside	FAS 1177		Across Santa Ana Riv., on Crestmore Rd., near Riverside		8/14/51	C. B. Tuttle Co.	Stl. Br.	266,342	13,243	279,585
53-8DC5	Riverside	FAS 1177		Bet. Bloomington Blvd. & Crestmore Br.	1.1	4/24/53	E. L. Yeager Co. & J. A. Payton	Gr., P.M.S. on C.T.B.	101,937	4,923	106,860
53-8DC1	Riverside	FAS 1178		Bet. 0.6 Mi. S. of Rte. 26 & Rte. 26 at Garnet	0.6	10/ 1/52	Basich Bros. Const. Co., N. L. & R. L. Basich	Gr., R.M.S., I.B.M. & C.T.B., R.C. & Stl. OH.	167,189	15,000	182,189
	Riverside			Various Locations				Minor Contrs. & D.L. Projs.	77,356		77,356
52-3TC15	Sacramento	3	A	At Twin Oaks Ave., Abt. 0.2 Mi. S. of Placer Co. Line	0.2	11/ 1/51	McGillivray Const. Co.	P.M.S. on P.M.C.B.	16,783	2,408	19,191
3TC21	Sacramento	3	B	Bet. N. Sacramento Viaduct & 0.5 Mi. E. of Ben Ali	4.1	12/20/45	Guy F. Atkinson Co.	Gr., P.C.C. Stl. UP., Conc. OC., & 2 Conc. UC's.	1,758,709	150,548	1,909,257
3T56	Sacramento	3	B	N. Sacramento Frwy.		8/ 5/46	Day Labor	Signs & Stripe	8,021		8,021
3TC43	Sacramento	3	B	Bet. N. Sacramento Viaduct & Howe Ave.		11/13/47	Luppen & Hawley, Inc.	Lights	30,372	1,807	32,179
3TC46	Sacramento	3	B	Bet. N. Sacramento Viaduct & 0.5 Mi. E. Ben Ali		2/ 4/48	Master Plumbing & Heating Co., Inc.	Landscape	79,030	7,900	86,930
3T88	Sacramento	3	B	N. Sacramento Frwy.	0.3	8/ 4/48	Day Labor	Curbs	5,375	1,005	6,380
0-3TC55	Sacramento	3	B	N. Sacramento Frwy.	3.7	12/ 3/48	Fred Kaus	Barrier Posts & Curbs	8,630	1,872	10,502
0-3TC56	Sacramento	3	B	N. Sacramento Off-Ramp	0.2	12/ 4/48	McGillivray Const. Co.	Gr. & Surf.	11,534	2,148	13,682
1-3TTC4	Sacramento	3	B	E. End of N. Sacramento Viaduct		11/29/49	L. H. Leonardi Elc. Const. Co.	Illuminated Sign Br.	4,604	874	5,478

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
3T96	Sacramento	3	B	Bet. N. Sacramento Viaduct & 0.5 Mi. E. of Ben Ali	-----	3/ 1/50	Day Labor	Guard Rail, Guide Posts, Reflectors & Signs	$5,226	----------	$5,226
51-3TC13	Sacramento	3	B	Bet. Sacramento City Limits & American Riv.	0.3	11/29/50	J. R. Reeves	Widen, P.M.S. & C.R.B.	16,201	$3,992	20,193
52-3TC21	Sacramento	3	B	At Intrs. of Auburn Blvd. with Fulton Ave. & with Watt Ave.	-----	4/21/52	A. Teichert & Son, Inc.	Chnlz.	23,463	2,280	25,743
53-3TC1	Sac, Pla	3	B, A, A	Bet. Sylvan School & Roseville	2.9	4/24/52	McGillivray Const. Co.	Gr. & P.M.S. Borders	54,592	4,475	59,067
52-3TC20	Sacramento	3	B	Intrs. Auburn Blvd. with Fulton Ave. & with Watt Ave.	-----	4/25/52	L. H. Leonardi Elc. Const. Co.	Signals, Lights & Chnlz.	40,625	2,655	43,280
3TC30	Sacramento	3	NSac	Bet. Birch Ave. & El Camino Ave.	-----	8/27/46	R. Flatland	Signals	21,788	2,531	24,319
3TC44-P	Sacramento	4	B, Sac	Stockton Blvd. at 14th Ave.	-----	12/17/47	A. Teichert & Son, Inc.	Widen, P.M.S. on C.R.B., Signals & Lights	24,473	3,454	27,927
1-3TTC5	Sacramento	4	Sac	Stockton Blvd. at Fruitridge Rd.	-----	12/19/49	A. Teichert & Son, Inc.	Signals, Lights, Improve Intrs.	23,870	2,741	26,611
51-3TC9	Sacramento	4, 3	Sac, B	Bet. Broadway & N. 12th St.	2.3	7/17/50	Brighton Sand & Gravel Co.	Resurf. with P.M.S.	38,990	2,562	41,552
3T99	Sacramento	4, 3	Sac, B	Bet. Broadway & N. 12th St.	-----	8/30/50	Day Labor	Signs, Stripe, Signals, & Chnlz.	6,027	----------	6,027
51-3TC14	Sacramento	6	Sac	Bet. 10th St. & 13th St.	0.2	1/30/51	J. R. Reeves	Curbs & Gutters	6,228	1,118	7,346
51-14TC22	Sac, Yol	6	Sac, C	See Yolo County							
COFC-3	Sac, C.C	11	A, C	See Contra Costa County							
3TC36	Sacramento	11	B, Fol	Bet. 12 Mi. E. of Sacramento & Riley St. in Folsom	5.4	5/ 2/47	Harms Bros.	P.M.S.	55,606	4,623	60,229
0-3TC54	Sacramento	11	B, A	Bet. W. of Nimbus & E. of White Rock	7.3	6/18/48	Geo. Pollock Co.	Gr., P.M.S. & R.C. OH.	688,575	65,587	754,162
54-3TC6	Sacramento	11	B	At Alder Cr., Abt. 13.8 Mi. NE. of Sacramento	0.4	8/14/53	A. Teichert & Son, Inc.	Gr. & Riprap	77,409	7,700	85,109
10WC13	Sacramento	11	C	Bet. Antioch Br. & Emmaton	3.4	6/11/46	Sheldon Oil Co.	Repair with I.B. & B.S.T.	39,557	3,979	43,536
14WLC53	Sacramento	11	C	Across Three Mile Slough	-----	6/20/47	Johnson Western Co.	Br. Substruct.	238,659	18,643	257,302
14TC32-FP	Sacramento	11	C	Across Three Mile Slough	-----	11/ 5/47	Judson-Pacific-Murphy Corp.	Stl. Br. Superstruct.	554,902	34,998	589,900
10TC26	Sacramento	11	C	At Three Mile Slough	1.2	1/26/48	Sheldon Oil Co.	Gr. & B.S.T. on Apps.	70,202	8,354	78,556
COFC-5	Sacramento	11	C	Across San Joaquin Riv.	-----	7/26/50	H. F. Lauritzen	Repair Br. Fenders	29,244	----------	29,244
53-14TC25	Sacramento	11	C	Across San Joaquin Riv. Abt. 5 Mi. N. of Antioch	-----	9/24/52	Stanley H. Koller Constr.	Supplementary Bents N. Br. App.	24,940	3,813	28,753

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-14TC24	Sacramento	11	D, E	Across Steamboat Slough & across Sacramento Riv. at Isleton	-----	9/10/52	Payne Constr. Co.	Redeck 2 Brs. with open Stl. Flooring & with R.C.	$79,457	$7,362	$86,819
52-14TC16	Sacramento	11	E	Across Sacramento Riv., at Paintersville, 1 Mi. S. of Courtland	-----	2/ 6/52	Barton Const. Co.	Redeck Stl. Truss Br.	40,829	4,530	45,359
53-3T20	Sacramento	11	E	Sacramento Riv. Levee 1½ Mi. S. of Courtland, & at W. abutment of Paintersville Br.	-----	3/16/53	Day Labor	Riprap & Guard Rail	8,140	-----	8,140
3T97	Sacramento	11	F, Sac	Bet. Sutterville Rd. E. & Sutterville Rd. W.	0.2	5/19/50	Day Labor	Widen & A.C. on C.T.S.	27,230	-----	27,230
10W55	Sacramento	11	G	Bet. Rio Vista Br. & 2.0 Mi. N'ly.	1.9	5/ 7/47	Day Labor	Resurf. with P.M.S.	10,864	595	11,459
3TC39	Sacramento	11	Fol, A	Bet. Sutter St. in Folsom & 3.7 Mi. E.	4.2	7/11/47	Brighton Sand & Gravel Co.	P.M.S.	37,884	2,338	40,222
53-3TC11-P	Sacramento	11	Sac	On Folsom Blvd. Bet. Alhambra Blvd. & 59th St.	-----	10/28/52	L. H. Leonardi Elc. Const. Co.	Signals & Lights	29,533	1,726	31,259
54-3TC11	Sacramento	11, 98	Sac, B; Sac, A	Intrs. Folsom Blvd. with 65th St.	-----	1/25/54	McGillivray Const. Co.	Signals, Lights & Chnlz.	22,637	2,260	24,897
14WLC47	Sac, Sol	53	A, C	See Solano County							
14WLC29	Sacramento	53	C	Across Sacramento Riv. at Rio Vista	-----	1/11/46	Kiss Crane Co.	Remove part of Br.	9,872	951	10,823
10W56	Sacramento	53	D	Bet. Isleton & Georgiana Slough	1.7	5/ 7/47	Day Labor	Resurf. with P.M.S.	11,495	590	12,085
0-3TC52	Sacramento	54	B	At Sloughhouse	1.6	5/11/48	Brighton Sand & Gravel Co. & Lew Jones Const. Co., Inc.	Gr., P.M.S. & 3 R.C. Brs.	209,771	24,533	234,304
52-14TC3-F	Sacramento	54	C	Across Cosumnes Riv. near Bridge House	-----	6/15/51	Erickson & Co.	R.C. Br.	193,732	18,095	211,827
1-3TTC1	Sacramento	98	A	At Int. Fulton & Marconi Aves.	-----	8/17/49	L. H. Leonardi Elc. Const. Co.	Signals & Lights	12,817	1,394	14,211
1-3TTC2	Sacramento	98	A	On Fair Oaks Blvd. at Howe Ave.	0.4	10/ 4/49	A. Teichert & Son, Inc.	Gr., P.M.S., Signals & Lights	42,000	4,206	46,206
51-14TC26	Sacramento	98	A	Across American Riv. at H St.	-----	3/21/51	Lord & Bishop	Widen Timber, R.C. & Stl. Br.	96,600	5,131	101,731
52-3TC13	Sacramento	98	A	At Intrs. of Fulton Ave. with Arden Way & El Camino Ave.	-----	9/13/51	R. Goold & Son	Signals, Lights & P.C.C. Curb	23,585	1,837	25,422
3T106	Sacramento	98	A	Bet. Sacramento City Limit & Intrs. Fulton & Fair Oaks Blvd.	1.6	6/29/51	County of Sacramento	Widen	61,712	-----	61,712

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-14TC11-F	Sacramento	98	B	Across American Riv. near Elvas	-----	7/26/50	Lord & Bishop	Br. Substructure	$617,428	$25,660	$643,088
52-14TC21-F	Sacramento	98	B	Across American Riv. near Elvas, Abt. 1.0 Mi. NE. of Sacramento	-----	5/16/52	B. J. Ukropina, T. P. Polich & Steve Kral	Stl. Br. Superstructure	1,047,570	52,000	1,099,570
53-3TC12-F	Sacramento	98, 3	B, B	Bet. N. End American Riv. Br. & Rte. 3 near Swanston Rd.	1.4	11/13/52	Ukropina-Polich-Kral	Gr., U.R.B. on I.S.M., & 4 R.C. Brs.	713,914	50,000	763,914
3T105	Sacramento	98	Sac	At H St. Subway	-----	6/29/51	City of Sacramento	R.C. Ped. UP. & Widen R.C. Subway	41,413	-----	41,413
0-3TMC15	Sacramento	Var	Sac	In Sacramento	6.9	9/27/48	A. Teichert & Son, Inc.	P.M.S.	110,062	-----	110,062
14DC5	Sacramento	FAS 537	-----	Across Arcade Cr. on Madison Ave.	-----	3/ 5/47	Wm. E. Thomas Const. Co.	R.C. Br.	18,706	2,185	20,891
14DC4	Sacramento	FAS 900	-----	Across Bear Slough	-----	10/ 3/46	M. A. Jenkins	R.C. Br.	67,604	3,897	71,501
52-3DC4	Sacramento	FAS 900, 539	-----	Bet. S.P.R.R., near Walnut Grove & Mokelumne Riv. & Bet. Locke & Franklin Blvd. (Por.)	7.7	8/10/51	Brighton Sand & Gravel Co.	Gr. & P.M.S.	155,682	10,963	166,645
52-3DC6	Sacramento	FAS 926	-----	On El Centro Rd., Bet. Elkhorn Rd. & Elverta Rd.	2.0	8/20/51	Brighton Sand & Gravel Co.	Gr. & Armor Ct. on I.S.M. & C.R.B.	105,148	9,286	114,434
52-3DC12	Sacramento	FAS 926	-----	On El Centro Rd. Bet. Sacramento Riv. Levee & Elkhorn Rd.	5.8	6/ 4/52	Brighton Sand & Gravel Co.	Gr., C.R.B., Armor Ct. & P.M.S.	361,783	22,821	384,604
52-3DC3-P	Sacramento	FAS 928	-----	Bet. Main Ave. in Orangevale Colony & Folsom-Auburn Rd.	1.5	7/31/51	J. R. Reeves	Gr. & P.M.S. on U.R.B. & I.S.M.	140,400	15,871	156,271
3DC3	Sacramento	FAS 929	-----	On Marconi Ave., Bet. Howe Ave. & Fair Oaks Blvd.	4.7	6/30/47	McGillivray Const. Co.	Gr. & P.M.S. on C.R.B.	111,063	9,245	120,308
14DC6	Sacramento	FAS 933	-----	Across Laguna Cr.	-----	10/16/46	Bati Rocca	R.C. Br.	34,095	2,295	36,390

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
3DC1	Sacramento	FAS 937		On Howe Ave. Bet. Fair Oaks Blvd. & Arden Way	1.6	3/17/47	Westbrook & Pope	Gr., Widen & P.M.S.	$50,170	$5,852	$56,022
3DC6	Sacramento	FAS 937		Bet. Arden Way & Rte. 3	1.9	8/13/47	George E. France	Gr., C.R.B. & Armor Coat	65,747	5,507	71,254
	Sacramento			Various Locations				Minor Contrs. & D.L. Projs.	43,466		43,466
5TC6	San Benito	2	A	Bet. Prunedale Jct. & SCl Co. Line	1.6	6/11/46	Granite Const. Co.	Repair with C.T.B. & P.M.S.	57,435	3,111	60,546
5TC7	SBt, Mon	2	B, J	See Monterey County							
1-5TC16-F	San Benito	2	B, A	Bet. Chittenden Rd. & 1 Mi. N. of San Benito Riv.	2.3	5/19/50	Granite Const. Co.	Gr., P.M.S. on C.R.B. & R.C. Br.	481,669	62,036	543,705
52-5T11	San Benito	2	B	Bet. Monterey Co. Line & Pajaro Riv. (Pors.)		5/29/52	Day Labor	Correct Drainage	10,258		10,258
54-14TC16-FP	San Benito	22	A	Across San Benito Riv. abt. 1 Mi. W. of Hollister	0.8	5/25/53	Gordon H. Ball & San Ramon Valley Land Co.	R.C. Br., Gr., P.M.S. on C.T.B.	325,431	10,500	335,931
54-5TTC1	San Benito	22	B	Abt. 0.8 Mi. N. of Hollister		12/18/53	Wm. Radtke & Son	Drainage Improvement	2,394	240	2,634
5TC9	San Benito	22	C	Bet. Rte. 2 & San Juan Bautista	2.2	6/26/47	A. Teichert & Son, Inc.	Repair with I.B. & B.S.T.	35,565	2,415	37,980
51-5TC3-F	San Benito	22, 119	Hst, B, F	Bet. Hollister & Santa Clara Co. Line	9.4	6/14/50	Fredrickson & Watson Const. Co.	Gr. & P.M.S. on C.T.I.B.	447,224	67,683	514,907
0-14TC38	SBt, SCr	67	A, A	Across Pajaro Riv.	0.9	4/1/48	Dan Caputo & Edward Keeble	Stl. Br. & Apps.	184,992	23,877	208,869
5T24	SBt, Mon	119	A, A	See Monterey County							
5W10	San Benito	119	C	Across Late Cr.		3/27/47	Day Labor	Replace R.C. Br.	5,778		5,778
5DWC1	San Benito	119	E	Bet. 2.5 Mi. S. of Hollister & Hollister	2.6	3/26/47	A. Teichert & Son, Inc.	Gr. & P.M.S.	136,987	16,015	153,002
0-5TC13	San Benito	119	E	Bet. Tres Pinos & 0.25 Mi. N.	0.3	6/22/49	Granite Const. Co.	Gr. & P.M.S.	29,363	5,699	35,062
51-14TC25-F	SBt, SCl	119	F, A	Across Pajaro Riv.	0.4	2/7/51	Fredrickson & Watson Const. Co.	R.C. Br. & Apps.	94,808	9,360	104,168

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14DC48	San Benito	FAS 670		N. of Hollister		4/1/49	Wm. E. Thomas Const. Co.	6 R.C. Brs. & P.M.S. & Apps.	$27,290	$846	$28,136
14DC66-P	San Benito	FAS 670		At Tequisquita Slough Overflow & on Fairview Rd. near Hollister		4/7/50	Herbert H. Anderson	R.C. Culv.	2,607	454	3,061
51-5DC4-P	San Benito	FAS 670		Bet. Mansfield Rd. & Lone Tree Rd.	1.6	6/23/51	Granite Const. Co.	Gr. & Pen. Tr.	23,844	1,784	25,628
	San Benito			Various Locations				Minor Contracts & D.L. Projects	25,734		25,734
8VC12	SBd, Riv.	9, 19, 43	A, A, A	Bet. E.C.L. of Upland & 0.6 Mi. E. of Haven Ave., Bet. 2.4 Mi. & 0.3 Mi. W. of Riverside & Bet. Panorama Point & Squirrel Inn	10.7	5/5/47	Matich Bros.	P.M.S. & Sl. Ct.	111,027	6,537	117,564
54-8VC12	San Bernardino	9, 19, 192	A, Ont	At Intrs. of Foothill Blvd. with Archibald Ave. & Mission Blvd. with Euclid Ave.		9/14/53	Drury Electric Co.	Signals, Lights, Chnlz.	51,452	3,118	54,570
14VC31	San Bernardino	9, 190	A, A	Across Day Canyon Flood Channel about 5 & 7 Mi. E. of Upland		5/16/47	George W. Peterson	2 R.C. Brs.	73,669	9,015	82,684
51-8VC10	San Bernardino	9	A	At San Bernardino Rd.	0.3	1/11/51	Boddum & Peterson	Gr., P.M.S. & Lights	19,874	3,883	23,757
51-8VC6	San Bernardino	9	B, Ria	At Sierra Ave. & at Riverside Ave.		10/31/50	Westates Elcl. Const. Co.	Signals, Lights & Chnlz.	31,910	2,164	34,074
53-8VC3	San Bernardino	9	C	Bet. Lytle Cr. & W.C.L. of San Bernardino	0.3	4/1/52	Geo. Herz & Co.	Lights, Widen & Resurf. with P.M.S.	19,587	3,766	23,353
0-8VC20	San Bernardino	9	D, Upl,	Bet. Los Angeles Co. Line & San Bernardino	9.0	4/15/48	Matich Bros.	P.M.S. & Sl. Ct.	147,972	8,562	156,534
8V36	San Bernardino	9	D, Upl, A, C	Bet. Los Angeles Co. Line & San Bernardino	8.8	10/20/48	Day Labor	Signs & Stripe	5,631		5,631
1-8VVC4-P	San Bernardino	9, 31	SBd	On Mt. Vernon Ave. at 5th, 6th, 7th & Baseline Sts.		10/15/49	C. D. Draucker, Inc.	Signals & Lights	18,010	704	18,714
51-14VC9-P	San Bernardino	9	SBd	At I St.		11/10/50	K. B. Nickolas	Stl. OH.	423,260	35,067	458,327
52-8VC16-P	San Bernardino	9	SBd	At Intrs. of 5th St. with F, G, & H Sts.		12/17/51	Trico Co.	Signals & Lights	13,476	1,188	14,664
8VC19	San Bernardino	9, 192	Upl	At Foothill Blvd. & Euclid Ave.		4/1/48	Tri-Cities Elc. Serv.	Signals & Chnlz.	18,840	1,663	20,503

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
8VC14-FP	San Bernardino	19	A, Ont, B	Bet. Los Angeles Co. Line & 0.6 Mi. E. of Ontario	5.7	10/14/47	Morrison-Knudsen Co.	Gr. & P.M.S. on C.T.B.	$905,990	$79,908	$985,899
53-8VC10	San Bernardino	19	A	Intrs. Rte. 19 with Central Ave.		8/18/52	Paul R. Gardner	Signals & Lights	17,620	1,839	19,459
54-8VC13	San Bernardino	19	A	Intrs. of Fifth Ave. with Roswell Ave. near Ontario		9/25/53	Paul R. Gardner	Signals	6,995	426	7,421
8VC10	SBd, Riv.	19	B, A	Bet. 0.5 Mi. E. of Ontario & Mira Loma	5.8	9/23/46	Peter Kiewit Sons' Co.	Gr. & P.M.S.	420,908	44,108	465,016
8VC15	San Bernardino	19, 192	Ont	At Euclid Ave. & Rte 19		10/29/47	Paul R. Gardner	Signals	12,969	1,186	14,155
14VC12	San Bernardino	26	A	Across Mission Storm Drain		3/5/46	Carl Broome	Widen Conc. Br.	11,391	2,831	14,222
8VC24	San Bernardino	26	A	On Colton Ave.		6/4/48	Ets-Hokin & Galvan	Signals	19,029	1,506	20,535
1-8VVC2-P	San Bernardino	26, 43	A, SBd	Intrs. at E St., Colton Ave. & Mill St. at S.C.L.		8/12/49	Westates Elcl. Const. Co.	Widen, Signals & Lights	24,430	1,617	26,047
54-8VC22	San Bernardino	26	A	Intrs. Colton Ave. with Waterman Ave. E. of Colton		3/9/54	Drury Electric Co.	Signals	8,984	415	9,399
1-8VC42-F	SBd, Riv.	26	B, A, Bau	Bet. 2.3 Mi. E. of Redlands & Beaumont	9.6	11/17/49	Fredericksen & Kasler	Gr., P.M.S. on C.T.B., R.C. Br. & Conc. Sep. Struct.	1,232,298	136,511	1,368,809
51-8VC13	SBd, Riv.	26	B, A, Bau	Bet. 1.5 Mi. NW of Riverside Co. Line & Beaumont		4/10/51	Paul R. Gardner	Lights & Signs	23,186	927	24,113
1-8VVC5	San Bernardino	26	C	Intrs. of Holt & Central Aves.		2/10/50	Clinton Elc. Corp.	Signals & Lights	8,674	838	9,512
51-8VC1	San Bernardino	26	C	Bet. Los Angeles Co. Line & Ontario	2.1	4/1/52	Geo. Herz & Co.	Resurf. with P.M.S.	39,290	3,796	43,086
53-14VC6-F	San Bernardino	26	C, Upl	Bet. Los Angeles Co. Line & Rte. 192		6/20/52	Chas. MacClosky Co.	5 R.C. UC's., 1 R.C. OC., 1 R.C. Br., & 1 R.C. Separation Structure	742,482	86,500	828,982
8XC5	San Bernardino	26	D, Ria	Bet. Mulberry St. & Colton	9.8	12/28/45	Griffith Co.	Gr., P.C.C. & Stl. OC.	1,452,014	69,764	1,521,778
8XC6	San Bernardino	26	D	Bet. Vineyard & Etiwanda Ave.	5.7	3/29/46	Matich Bros.	Gr., P.C.C., & 4 R.C. Brs.	497,645	41,483	539,128
8X8	San Bernardino	26	D, Ria	Bet. Kaiser Spur & Colton		12/6/46	Day Labor	Signs & Stripe	5,462		5,462
8X12	San Bernardino	26	D, Ria	Bet. Kaiser Spur & Colton		3/27/47	Day Labor	Landscape	14,990		14,990
8XC12	San Bernardino	26	D	Bet. Etiwanda Ave. & Mulberry Ave.	0.9	6/4/47	George Herz & Co.	Gr., P.C.C., R.C. OH., & Stl. UC.	396,376	34,634	431,010
8VC21	San Bernardino	26	D	2.7 Mi. W. of Colton	0.1	4/22/48	R. A. Erwin	P.M.S. & P.C.C.	5,227	1,324	6,551
53-14VC1	San Bernardino	26	D	Across Etiwanda-San Sevaine Flood Control Channel, about 8 Mi. E. of Ontario		4/1/52	Lars Oberg	R.C. Br.	126,851	14,313	141,164
8VC17-F	San Bernardino	26	E, A, Rld	Bet. E St. & State St. in Redlands	7.2	2/20/48	Geo. Herz & Co.	Gr., P.M.S. on C.T.B. & Widen R.C. Br.	778,309	72,661	850,970

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
8V32	San Bernardino	26	E, A, Rld	Bet. E St. & State St.	7.2	2/28/49	Day Labor	Signs & Stripe	$6,919		$6,919
1-8VC37	SBd, Riv	26, 77	E, A, Rld, C, A	Various Locations	23.4	6/9/49	G & H Paving Co.	Seal Coat	31,264	$2,216	33,480
54-8VC8	San Bernardino	26	Col	Bet. W. City Limits & E. City Limits	1.5	6/12/53	R. A. Erwin	P.M.S.	38,229	3,800	42,029
53-8VC16	San Bernardino	26, 43, 31	Col	Intrs. I St. with Eighth St., Tenth St. & Mt. Vernon Ave.		2/6/53	Fischbach & Moore, Inc.	Signals & Lights	17,885	1,172	19,057
8XMC1	San Bernardino	26	Ont	On A St.		6/19/47	Paul Gardner	Signals	24,743		24,743
0-8VMC3	San Bernardino	26	Ont	Bet. Benson Ave. & San Antonio Ave.	1.2	7/9/48	Matich Bros.	P.M.S.	51,552		51,552
51-8VC1	San Bernardino	26	Ont	Bet. San Antonio Ave. & Corona St.	2.7	4/1/50	George Herz & Co.	Resurf. with P.M.S.	38,448	2,800	41,248
52-8VC12-P	San Bernardino	26, 192	Ont	On A St. at Bon View Ave. & on Euclid Ave. at B St.		9/13/51	Elc. & Mach. Serv. Inc.	Signals & Lights	11,276	857	12,133
53-8VC22-P	San Bernardino	26	Ont, D	Intrs. Rte. 26 with Vineyard Ave.		5/5/53	Paul R. Gardner	Signals, Lights & Chnlz.	10,799	1,000	11,799
8VC7	San Bernardino	26	Rld	Bet. State St. & E.C.L.	2.8	12/21/45	Matich Bros.	Gr., & P.C.C.	317,522	22,126	339,648
53-8VC12-P	San Bernardino	26, 190	Rld	Intrs. of Rte. 26 with Orange St., Beacon St. & with Citrus Ave.		9/29/52	Ed Seymour	Signals & Lights	14,977	1,199	16,176
54-8VC19	San Bernardino	26	Rld, B	Bet. E.C.L. of Redlands & Live Oak Canyon Rd.	2.9	1/18/54	G. W. Ellis Constr. Co.	Resurf. with P.M.S.	62,049	4,500	66,549
53-14VC8-F	San Bernardino	26	Upl, Ont, D	Bet. Euclid Ave. & Archibald Ave.		7/11/52	W. F. Maxwell	8 R.C. Brs.	732,242	85,000	817,242
8VC25	San Bernardino	31	B	Cajon Pass Hwy. near Blue Cut		6/10/48	Matich Bros.	Truck Scales	12,107	397	12,504
52-8VC11-F	San Bernardino	31	B	Bet. 0.6 Mi. N. of Devore & 0.2 Mi. S. of Gish UP.	9.3	8/20/51	Fredericksen & Kasler	Gr., P.M.S. on B.M., 4 R.C. Brs. & 2 R.C. Culvs.	2,088,536	195,061	2,283,597
54-8VC10	San Bernardino	31, 59	B, A	At Intrs. of Rte. 31 with Rte. 59		8/5/53	Drury Electric Co.	Hwy. Lighting System	4,887	480	5,367
54-8VC11	San Bernardino	31	C	Bet. Palmdale Rd. & Forest Ave.	2.3	8/5/53	James E. Roberts	B.S.T. & Sl. Ct. on Shldrs.	10,506	1,000	11,506
8VC8	San Bernardino	31	D	Bet. Victorville & Oro Grande UP.	4.7	6/11/46	Geo. Herz & Co.	Repair with P.M.S.	41,131	2,673	43,804
52-14VC10	San Bernardino	31	G, H, J, K	Bet. Barstow & Baker		10/30/51	Norman I. Fadel	Redeck 30 Timber Brs. with R.C. Slabs, Plank Floors & P.M.S.	137,222	13,814	151,036
14VC56	San Bernardino	31	H, J, K, L	Bet. 28 & 70 Mi. E. of Barstow		5/28/48	Thomas Const. Co.	Redeck 13 Timber Brs.	78,236	11,159	89,395
1-8VC46	San Bernardino	31	H, J	Bet. Manix & Cronise Lake	16.1	4/29/50	Basich Bros. Const. Co. & N. L. & R. L. Basich	Widen & P.M.S. on I.B.M.	217,737	16,407	234,144

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
8V8	San Bernardino	31	J	Bet. Field & Summit	-----	7/6/46	Day Labor	Experimental Blanket	$6,951	----------	$6,951
52-8VC21	San Bernardino	31	J, K, L	Bet. Cronise Valley & 3 Mi. W. of Halloran Springs	26.7	6/27/52	G. W. Ellis Const. Co.	Widen & P.M.S.	226,254	$21,000	247,254
1-14VC92	San Bernardino	31	K, L, N	Bet. 6 Mi. W. of Baker & Mountain Pass	-----	9/15/49	E. L. Thorsten	Redeck 15 Timber Brs.	65,575	7,587	73,162
54-14VC11	San Bernardino	31	L, M	Bet. Baker & ½ Mi. E. of Valley Wells	-----	9/18/53	Fred D. Kyle	Redeck with R.C. Slabs, 10 Timber Brs.	41,480	4,150	45,630
54-8VC3	San Bernardino	31	L, M, N, P	Bet. 3 Mi. W. of Halloran Springs & Nevada State Line	38.8	4/1/53	G. W. Ellis Const. Co.	Widen with P.M.S., Resurf. Por. & Sl. Ct.	325,998	33,000	358,998
0-14VC68	San Bernardino	31	N, P	Bet. W. of Mountain Pass & S. of Nevada State Line	-----	9/18/48	Thomas Const. Co.	Redeck 6 Timber Brs.	38,808	7,956	46,764
53-14VC11	San Bernardino	31	N	Bet. Yucca Sta. & Lakeview	-----	9/12/52	C. B. Tuttle Co.	Redeck 5 Timber Brs. with R.C.	42,877	2,755	45,632
0-8VC28	San Bernardino	31	Q, SBd	Bet. Grant Ave. & Highland Ave.	1.8	8/23/48	Geo. Herz & Co.	P.M.S.	191,691	16,729	208,420
52-8VC2	San Bernardino	31, 58	Bsw, G	Through Barstow & Bet. Main St. & N. Jct. with Rte. 58	3.4	4/2/51	Peter Kiewit Sons' Co.	P.M.S.	68,815	6,609	75,424
53-8VC17-P	San Bernardino	31, 58	Bsw	Intrs. Main St. with First St. & Second St.	-----	2/17/53	Paul R. Gardner	Signals & Lights	22,462	1,750	24,212
52-8VC8	San Bernardino	31	Col	Bet. Rte. 26 & Grant Ave.	1.3	6/23/51	Hubbs Equip. Co.	Widen & P.M.S.	95,454	18,481	113,935
53-8VC7-P	San Bernardino	Col,	SBd	Intrs. of Mount Vernon Ave. with Colton Ave. & with La Cadena Ave.-Citrus St.-Grant Ave.	-----	6/16/52	Paul R. Gardner	Signals, Lights & Chnlz.	25,846	1,816	27,662
0-8VC30	San Bernardino	31	SBd	Mt. Vernon Ave. at Rialto Ave.	-----	8/23/48	Ed Seymour	Signals & Lights	10,987	679	11,666
51-8VC12-P	San Bernardino	31, 190	SBd	Highland Ave. at Mt. Vernon Ave.-Cajon Blvd. & at I St.	-----	2/20/51	Fischbach & Moore of Calif., Inc.	Signals, Lights & Chnlz.	34,812	1,562	36,374
53-8VC14-P	San Bernardino	31	SBd	On Mt. Vernon Ave. Bet. Mill St. & Fourth St.	-----	10/17/52	Drury Elc. Co.	Signals, Lights & Chnlz.	50,069	4,097	54,166
53-8VC26	San Bernardino	31	SBd	Bet. Fourth & Seventh Sts.	-----	6/26/53	Lloyd R. Johnson	Drainage Facilities	49,735	5,737	55,472
8XC9	San Bernardino	43	A	Bet. 8.6 Mi. & 11.7 Mi. N. of San Bernardino (Pors.)	0.4	10/3/46	Geo. Herz & Co.	Widen & P.M.S.	48,831	2,662	51,493
1-8VC47-P	San Bernardino	43, FAS 925	A, B	Bet. Jct. with Rte. 189 & Lake Gregory Rd., at Squirrel Inn	0.3	6/13/50	Ken Lowe	Gr. & P.M.S.	59,194	8,175	67,369

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
8XC8	San Bernardino	43	B, C	Bet. Squirrel Inn & Big Bear Dam	13.8	6/10/46	R. R. Hensler	R.M.S. & Sl. Ct.	$99,108	$11,021	$110,129
53-8VC21	San Bernardino	43	B	Bet. Rte. 59 & Daly Canyon Rd.	1.1	4/21/53	Geo. Herz & Co.	Met. Plate Guard Rail & Guide	8,578	850	9,428
1-8VC36	SBd, Riv.	43	C, F, Riv	See Riverside County							
51-8VC7	SBd, Riv.	43	C, F, Riv	See Riverside County							
53-8V11	San Bernardino	43	H	Bet. Big Bear City & Box "S" Ranch (Pors.)	3.5	6/30/52	Day Labor	Gr. & Surf.	9,781	5	9,786
8XC10	San Bernardino	43	L	Bet. 1 Mi. E. of Victorville & Victorville	1.4	3/ 6/47	Matich Bros.	Gr. & B.S.T.	101,036	8,247	109,283
52-8VC10-P	San Bernardino	43, 9	SBd	On E St., Bet. Rialto Ave. & 5th St.	-----	8/14/51	Fischbach & Moore	Signals & Lights	21,997	1,784	23,781
53-8VC15	San Bernardino	43	SBd	On E St. Bet. 7th St. & Base Line St.	-----	11/21/52	Fischbach & Moore, Inc.	Signals & Lights	20,010	1,724	21,734
53-8VC23-P	San Bernardino	43	SBd	Intrs. Sierra Way with Marshall Blvd.	-----	5/7/53	Ed Seymour	Signals & Lights	9,283	925	10,208
53-8VC24	SBd, Riv.	43, 77, 78	SBd, A, C	See Riverside County							
53-8VC11	San Bernardino	58	A	At Kramer R. R. Xing. abt. 37 Mi. W. of Barstow	0.5	8/22/52	Geo. Herz & Co.	Gr. & B.S.T.	43,590	6,623	50,213
54-8VC6	San Bernardino	58	C, D	At Hinkley R.R. Xing. abt. 8 Mi. W. of Barstow	1.0	5/4/53	Lowe & Watson	Gr. & B.S.T.	52,645	5,260	57,905
52-14VC9	San Bernardino	58	F, G, H, J	Bet. Barstow & Amboy	-----	10/25/51	C. B. Tuttle Co.	Redeck 48 Timber Brs. with R.C. Slabs, Plank Floors & P.M.S.	206,987	19,171	226,158
54-14VC12	San Bernardino	58	F	Across Blossom Ditch abt. 13 Mi. E. of Barstow	-----	11/5/53	Louis J. Strona	R.C. Br.	9,727	970	10,697
54-14VC10	San Bernardino	58	F, J, K, L	Bet. Barstow & Essex	-----	9/10/53	John Strona	Redeck 39 Timber Brs. with R.C. Slabs	142,434	14,240	156,674
1-14VC91	San Bernardino	58	K, L	Bet. Amboy & Needles	-----	8/25/49	E. S. & N. S. Johnson	Redeck 18 Timber Brs.	89,951	8,963	98,914
14VC50	San Bernardino	58	L	Across Teviot Cr.	-----	4/1/48	L. H. Mulherron	R.C. Br.	16,880	3,130	20,010
53-14VC13	San Bernardino	58	L, M	Bet. Danby & Needles	-----	9/18/52	E. S. & N. S. Johnson	Redeck 32 Timber Brs. with R.C.	164,143	12,592	176,735
0-14VC69	San Bernardino	58	N	Bet. 4.0 & 0.5 Mi. W. of Java	-----	9/29/48	Covina Const. Co.	Redeck 6 Timber Brs.	62,270	7,030	69,300
0-8VMC5-P	San Bernardino	58	N, Ned	Bet. R St. & Walnut St.	0.4	5/6/49	Ken Lowe	Gr. & B.S.T. on I.B.	10,890	----------	10,890
8VLC1	San Bernardino	58	P	Bet. 11 Mi. E. of Needles & Red Rock Br.	2.9	3/13/47	Arthur A. Johnson	Gr. & B.S.T.	59,612	4,901	64,513

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-8VC2	San Bernardino	58	Bsw, E, F	Bet. Barstow & Daggett	8.1	4/1/52	Peter Kiewit Sons' Co.	Widen & P.M.S.	$97,534	$8,258	$105,792
54-8VC1	San Bernardino	59	A	Bet. Los Angeles Co. Line abt. 33 Mi. SE. of Palmdale & Rte. 61	6.7	4/1/53	Geo. Herz & Co.	Gr. Base & B.S.T.	79,344	7,000	86,344
8V34	San Bernardino	59	C	Bet. 0.9 Mi. & 3.8 Mi. E. of Rte. 31	2.9	7/1/48	Day Labor	Gr.	14,599	362	14,961
1-8VC40	San Bernardino	59	C	Bet. 0.9 Mi. & 3.8 Mi. E. of Rte. 31	2.9	6/22/49	Herz Paving Co.	B.S.T.	9,606	1,501	11,107
53-8VC8	San Bernardino	77	A	Bet. Rte. 192 & Pipe Line Ave.	5.1	7/8/52	J. E. Roberts	Widen & P.M.S. on I.B.M.	76,308	4,998	81,306
52-8V10	San Bernardino	188	A	Bet. Camp Seely & Cedar Springs	2.8	7/25/51	Day Labor	Widen Roadbed	24,424	536	24,960
53-8V10	San Bernardino	188	A	Bet. Camp Seely & Cedar Springs (Pors.)	1.9	6/30/52	Day Labor	Widen	24,183	536	24,719
54-8VVC2	San Bernardino	190	A	Bet. Beryl Ave. & Ramona Ave. at 4 Intrs.	-----	2/3/54	California Tree Service, Inc.	Remove Trees	895	90	985
51-8VC2	San Bernardino	190	B	Bet. 0.1 Mi. W. of Riverside Ave. & 0.1 Mi. W. of Cajon Cr.	1.0	4/1/50	R. A. Erwin	Gr., I.B. & P.M.S.	48,636	9,744	58,380
0-8VC29	San Bernardino	190	C	Bet. E. Base Line Ave. & Orange St.	1.6	9/24/48	Matich Bros. & E. L. Yeager	Gr., P.M.S. & 2 R.C. Brs.	392,491	29,702	422,193
52-8VC18	San Bernardino	190	C	On Highland Ave. across Del Rosa Channel	0.1	3/28/52	Geo. Herz & Co.	R.C. Culv.	13,687	1,968	15,655
14XLC7	San Bernardino	190	D	Across Mill Cr.	-----	6/21/46	Bent Const.	Stl. Br. & P.M.S. on Apps.	97,666	11,107	108,773
8V39	San Bernardino	190	E	Bet. Igo's & 2.2 Mi. E'ly	2.2	5/24/51	Day Labor	Widen & P.M.S.	29,637	359	29,996
1-8VC38	San Bernardino	190	G	Bet. Erwin Lake & 1 Mi. E. Rte. 43	3.0	6/18/49	Geo. Herz & Co.	Resurf. with B.S.T.	19,214	2,790	22,004
51-8VC3	San Bernardino	190	Rld	Bet. N.C.L. & Rte. 26 & Bet. Orange St. & E.C.L.	4.4	4/28/50	Geo. Herz & Co.	Resurf. with P.M.S.	30,780	2,527	33,307
53-8VC19-P	San Bernardino	190	Rld	At Intrs. Orange St. with Colton Ave.-Terrace Ave.	-----	3/16/53	Paul R. Gardner	Signals, Lights & Curbed Median	8,302	886	9,188
1-8VC43	San Bernardino	190	SBd	Bet. E St. & E.C.L.	1.8	3/31/50	Geo. Herz & Co.	Widen & P.M.S.	123,177	18,603	141,780
1-8VC49	San Bernardino	190	SBd	Bet. Waterman Ave. & E.C.L.	0.9	6/28/50	Geo. Herz & Co.	P.M.S. Curbs & Gutters	21,072	2,323	23,395
51-8VC11	San Bernardino	190	SBd	At I St. & Highland Ave.	-----	2/5/51	Geo. Herz & Co.	Gr., P.M.S. & Drainage Improvement	9,896	129	10,025
52-8VC20-P	San Bernardino	190	SBd	Intrs. Highland Ave. with Waterman Ave.	-----	4/24/52	Fischbach & Moore, Inc.	Signals & Lights	3,167	1,000	4,167
53-8VC13	San Bernardino	190	Upl	Bet. Euclid Ave. & E.C.L.	1.3	10/6/52	Geo. Herz & Co.	Widen & P.M.S.	30,284	5,142	35,426

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-8VC5	San Bernardino	192	A, Ont	Bet. 0.3 Mi. S. of S.C.L. of Ontario & Dessau St.	1.4	9/12/50	Cox Bros. Const. Co.	Gr. & P.M.S. on I.B.M.	$24,686	$2,580	$27,266
54-8VC9	San Bernardino	192	A	On Euclid Ave., Bet. 0.2 Mi. N. of Pine Ave. & Eucalyptus Ave.	2.3	7/15/53	Corona Asphalt Paving Company	C.T.B. Borders P.M.S. & Sl. Ct.	43,142	4,300	47,442
54-8VC21-P	San Bernardino	192	Ont	Intrs. Euclid Ave. with Fourth St.	-----	2/26/54	Paul R. Gardner	Signals & Lights	17,756	250	18,006
1-8VC35	San Bernardino	192	Upl	On Euclid Ave. Bet. Arrow Hwy. & 0.1 Mi. N. of 14th St.	1.1	4/7/49	Matich Bros.	Resurf. with P.M.S.	9,436	887	10,323
8XC7	San Bernardino	207	A	Bet. Highland Ave. & City Cr. Br.	3.2	5/16/46	Denni Investment Corp.	Gr., P.M.S. & R.C. Br.	694,862	82,321	777,183
8XC14-F	San Bernardino	207	A	Bet. City Cr. Br. & Plunge Cr.	4.3	9/30/47	Westbrook & Pope	Gr., P.M.S. & R.C. Br.	782,954	85,615	868,569
0-8VC18	San Bernardino	207	A	Bet. 0.7 Mi. E. of Plunge Cr. & Long Point	1.8	4/1/48	Claude Fisher Co., Ltd. & L. R. & R. S. Crow	Gr. & P.M.S.	736,756	77,929	814,685
8V35	San Bernardino	207	A	Bet. 0.7 Mi. E. of Plunge Cr. & Long Point	1.8	9/13/48	Day Labor	Signs & Stripe	5,350	----------	5,350
1-8VC31	San Bernardino	207	A	Bet. Long Point & 1.3 Mi. W. of Running Springs	4.0	4/6/49	Fredericksen & Kasler	Gr. & P.M.S.	874,718	93,199	967,917
8V37	San Bernardino	207	A	Bet. Long Point & 1.3 Mi. W. of Running Springs	-----	7/1/49	Day Labor	Erosion Control	6,980	----------	6,980
1-8VC44-F	San Bernardino	207, 43	A, C	Bet. 1.3 Mi. W. of Running Springs & Running Springs	1.7	4/29/50	Hess Const. Co.	Gr., P.M.S. & 2 R.C. Brs.	394,340	65,198	459,538
51-9VC8	San Bernardino	212	A, B	Bet. Kern Co. Line & 5.5 Mi. E. of Salt Wells	14.8	6/14/50	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Gr. & R.M.S. on I.B.M.	122,528	17,108	139,636
52-8VC6	SBd, Riv, Ora	Var	Var	Various Locations	45.2	6/20/51	George Herz & Co.	Seal Coat	84,820	4,087	88,907
51-8DC1	San Bernardino	FAS 692	----------	Bet. Foothill Blvd. & Phillips Blvd.	4.1	9/12/50	Hess Const. Co., Inc.	Gr. & P.M.S. on I.B.M.	182,199	1,155	183,354
51-8DC3-P	SBd, Riv.	FAS 693	----------	Bet. Los Angeles Co. Line & Rte. 19	11.7	3/29/51	E. L. Yeager	Gr., P.M.S. & Widen R.C. & Stl. Br.	286,385	3,637	290,022
8DC5	SBd, Riv.	FAS 695	----------	See Riverside County							
53-8DC3	San Bernardino	FAS 697	----------	Millikan Ave. Bet. Mission Blvd. & Valley Frwy.	2.4	11/25/52	Geo. Herz & Co.	Gr. & P.M.S. on I.B.M.	134,808	440	135,248

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
8DC7	San Bernardino	FAS 698	----------	Bet. Valley Blvd. & Foothill Blvd.	2.6	8/9/48	Matich Bros.	Gr. & P.M.S.	$141,142	$11,457	$152,599
52-8DC2-P	San Bernardino	FAS 705	----------	On Sierra Ave., Bet. Valley Frwy. & Highland Ave.	4.7	8/9/51	Matich Bros.	Gr. & P.M.S. on C.T.B.	202,569	1,723	204,292
8DC4	San Bernardino	FAS 706	----------	Bet. Riverside Ave. & Colton	2.1	8/7/47	T. M. Page	Gr. & P.M.S.	53,350	6,047	59,397
8DC6	San Bernardino	FAS 711	----------	Bet. Waterman Ave. & 0.2 Mi. E. of City Cr.	4.5	3/26/48	E. L. Yeager	Gr., P.M.S. & Stl. Br.	229,884	23,723	253,607
8DC2	San Bernardino	FAS 712	----------	On Waterman Ave. Bet. Riverside-Redlands Rd. & Mill St.	2.7	4/8/47	Griffith Co.	Gr., P.M.S. & 2 Stl. Brs.	380,790	15,451	396,241
53-8DC4	San Bernardino	FAS 713	----------	Alabama St.-Palm Ave. Bet. State Hwy. Rte. 26 & Base Line	94.0	11/25/52	Matich Bros. & Matich Bros. Paving Co.	Gr. & P.M.S. on I.B.M.	201,764	1,889	203,653
3DC8	San Bernardino	FAS 714	----------	Pigeon Pass Rd.	8.4	1/7/49	Basich Bros. Const. Co. & Basich Bros.	Gr. & P.M.S.	433,866	25,191	459,057
53-8DC2	San Bernardino	FAS 715	----------	Yucaipa Blvd. Bet. State Rte. 26 & Bryant St. in Yucaipa	5.2	11/13 52	Matich Bros. & Matich Bros. Paving Co.	Gr., C.T.B. & P.M.S.	332,267	3,500	335,767
8DC10-P	San Bernardino	FAS 925	----------	Bet. Rte. 43 & Huston Flat	2.2	8/13/49	Spicer Co.	Gr. & B.S.T.	227,993	2,403	230,396
14DG27	San Bernardino	FAS 1163	----------	At A.T. & S.F. Xing at Daggett	-----	4/7/50	A.T. & S.F. Ry. Co.	Flashing Lights	17,836	----------	17,836
----------	San Bernardino	-------	----------	Various Locations	-----	----------	----------	Minor Contracts & D.L. Projects	95,609	----------	95,609
11VC12	San Diego	2	A	Bet. 9th St. & Luneta Dr. in Del Mar	0.6	9/13/46	V. R. Dennis Const. Co.	Widen with A.C. & P.M.S. Shldrs.	21,332	3,972	25,304
11VC16	San Diego	2, 12	A, B, ECj	In Del Mar, Solana Beach, Encinitas, Carlsbad, & El Cajon	-----	6/30/47	Tri-Cities Elc. Serv.	Signals & Lights	54,570	3,872	58,442
1-11VC57	San Diego	2	A, B Ocn, D	Bet. Del Mar & San Onofre	11.2	4/14/50	Griffith Co.	Resurf. with P.M.S.	184,080	14,211	198,291
53-11VC7	San Diego	2	A	Bet. Del Mar & Encinitas	5.2	7/8/52	R. E. Hazard Contr. Co. & W. F. Maxwell	Gr. & P.M.S. on C.T.B., & Widen 2 Brs.	622,640	70,000	692,640

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
11VC9	San Diego	2	B, C, D	Bet. Leucadia & San Mateo Cr.	6.2	5/31/46	N. M. Ball Sons	Repair with P.M.S. on I.B.M.	$55,573	$3,635	$59,208
1-11VC45	San Diego	2	B, C	Bet. San Marcos Cr. & Carlsbad & Bet. Oceanside & Las Flores	4.3	5/13/49	R. P. Shea Co.	Resurf. with P.M.S.	59,830	7,634	67,464
51-11VC13-F	San Diego	2	B	Bet. 0.7 Mi. S. of San Marcos Cr. & 2.2 Mi. S. of Carlsbad	3.1	6/28/51	Cox Bros. Const. Co.	Gr., P.C.C. on C.T.S., P.M.S., 3 R.C. Brs. & R.C. Culv.	660,997	72,570	733,567
53-11VC1-F	San Diego	2	B	Bet. 2.2 Mi. S. of Carlsbad & Buena Vista Cr.	4.4	4/23/52	Bressi & Bevanda Constructors, Inc.	Gr., P.C.C. on C.T.S., & 10 R.C. Strs: Br., OH., Ped. UC., 4 OC's. & 3 UC's.	2,266,488	285,000	2,551,488
53-11VC21	San Diego	2	B	Bet. Encinitas & San Marcos Cr.	2.2	5/20/53	James E. Roberts	Remove Trees, Const. P.M.S. Turning Lanes, Guard Rail P.C.C. Curbs & Gutters	86,930	8,690	95,620
52-11VC10	San Diego	2	B, Ocn	Bet. Buena Vista Lagoon & ¼ Mi. S. of Mission Ave. in Oceanside	2.1	9/25/51	J. A. Payton & Bent Const. Co.	Gr., P.C.C., R.C. Br., R.C. OH., R.C. Sep., & 3 R.C. OC's.	1,586,098	200,000	1,786,098
14GVC1	San Diego	2	C	Over A.T. & S.F. Ry., 1 Mi. N. of Oceanside	-----	12/28/45	Fred D. Kyle	Stl. OH.	85,806	12,168	97,974
11VC11	San Diego	2	C	At Main Entrance to Camp Pendleton	-----	7/23/46	Tri-Cities Elc. Serv.	Signals	5,490	112	5,602
11VC5	S.D, Ora	2	D, SClc	Bet. Las Flores Cr. & San Clemente	9.5	9/20/45	N. M. Ball Sons	Gr., P.C.C. & A.C.	678,642	59,617	738,259
14VC6	San Diego	2	D	Across San Mateo Cr. abt. 18 Mi. N. of Oceanside	-----	8/24/45	Oberg Bros.	R.C. Br.	140,199	14,629	154,828
11X27	San Diego	2	F	At Border Airport Curve, 2.5 Mi. N. of San Ysidro	-----	5/3/46	Day Labor	Superelevate Curve	5,195	125	5,320
11XC11	San Diego	2, 199 12	F, A, B, ECj	Bet. San Ysidro & Chula Vista; Bet. Rte. 2 & Imperial Beach; & Bet. Grossmont & El Cajon	9.3	5/29/46	R. E. Hazard Contr. Co.	Repair with I.B.M. & P.M.S.	111,306	5,541	116,847
11X28	San Diego	2	F	Bet. 1.5 Mi. N. of San Ysidro & 2 Mi. S. of Otay	1.0	6/11/46	Day Labor	Experimental Surf.	14,089	655	14,744
52-11VC9	San Diego	2, 199, 200	F,A; S.D	At Intrs. Nat'l. Ave. with Main St. & Federal Blvd. with 47 St.	-----	7/23/51	Calif. Elc. Works	Signals, Lights & Chnlz.	40,635	2,874	43,509
51-14VC1	San Diego	2	G, ChV	At Main St. & at H St.	-----	6/5/50	Charles MacClosky Co.	2 R.C. OC's & Apps.	147,973	18,778	166,751
51-11VC10-F	San Diego	2	G, ChV	Bet. Elm Ave. in Palm City & G St. in Chula Vista	3.8	3/8/51	Griffith Co.	Gr., P.M.S. on C.T.B. & 6 R.C. Brs.	1,270,688	133,608	1,404,296

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
11V60	San Diego	2	G, ChV, NatC	Bet. Elm Ave. & 18th St.		5/25/51	Day Labor	Signs & Stripe	$8,358		$8,358
52-11VC12	San Diego	2	G, ChV	Bet. Palm Ave. in Palm City & G St. in Chula Vista		2/6/52	Ets-Hokin & Galvan	Signals & Lights	42,019	$3,529	45,548
53-11VC8	San Diego	2	G	Bet. 0.5 Mi. S. of Nestor & Palm Ave. in Palm City	1.1	7/8/52	Griffith Co.	Gr. & P.M.S. on C.T.B. & R.C. Br.	332,135	40,000	372,135
53-11VC16	San Diego	2, 199	G, A	At Palm City Interchange	0.1	2/18/53	Griffith Co.	Gr., P.M.S. & Lights	18,483	2,028	10,511
54-11VC10	San Diego	2	Cbd	Bet. S.C.L. & Buena Vista Cr.		9/25/53	Ets-Hokin & Galvan	Lights	28,838	2,880	31,718
53-11VC12	San Diego	2	Cbd, Ocn	Bet. Buena Vista Cr. in Carlsbad & Monterey Dr. in Oceanside		10/30/52	Ets-Hokin & Galvan	Lights	46,176	6,000	52,176
11XC20	San Diego	2	ChV	Bet. S.C.L. & N.C.L.	2.3	7/31/47	R. E. Hazard Contr. Co.	P.M.S.	50,512	2,294	52,806
1-11VVC2-P	San Diego	2	ChV NatC	National Ave. at E St. & 18th St.		8/29/49	Tri-Cities Elc. Serv.	Signals & Lights	19,250	419	29,669
1-11VC48-F	San Diego	2	NatC, G, ChV	Bet. H St. in Chula Vista & 14th St. in National City	2.6	11/4/49	Chas. MacClosky Co., E. Hazard Contr. Co., & C. G. Willis & Sons, Inc.	Gr., P.M.S., 3 Stl. UP's., 2 R. C. Brs., 2 R.C. UC's. & 1 R. C. OC.	1,410,085	168,935	1,579,020
11V58	San Diego	2	NatC	Bet. 7th St. & 16th St.		4/18/50	Day Labor	Signal & Track Work	28,810		28,801
1-11VC60	San Diego	2	NatC	Bet. 16th St. & 7th St. Channel	0.7	5/11/50	R. E. Hazard Contr. Co.	Gr., I.S.M., C.T.B. & P.M.S.	122,623	13,207	135,830
51-11VC6	San Diego	2	NatC	At 8th St. & Harbor Dr.		10/18/50	Calif. Elc. Works	Signals & Lights	10,480	970	11,450
51-11VC12	San Diego	2	NatC, ChV	At 18th St., 24th St. & E St.		6/15/51	Calif. Elc. Works	Lights	3,741	323	4,064
52-11VC14	San Diego	2	NatC, S.D	Bet. 7th St. in National City & 32nd St. in San Diego (Por.)	0.8	2/14/52	Pacific Fence Co.	Chain Link Fence & Median Lanes	6,686	726	7,412
54-11VC19	San Diego	2	NatC	At the Intrs. of Harbor Dr. with Eighth St. in National City		12/30/53	Cox Bros. Constr. Co.	Signals, Lights, Chnlz.	20,987	2,000	22,987
11VC7	San Diego	2	Ocn, C	Bet. San Luis Rey Riv. & 0.2 Mi. N. of Aliso Cr.	4.9	12/7/45	Basich Bros. Const. Co. & Basich Bros.	Gr., P.C.C. & Resurf. Portions with A.C.	600,096	64,861	664,957
11V16	S.D, Ora	2	Ocn, C, D SCle	Bet. Oceanside & San Clemente		3/25/46	Day Labor	Signs & Stripe	7,344		7,344

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
11VC23-P	San Diego	2	Ocn	At Wisconsin Ave., 2d St., 3d St., & 6th St.	-----	2/20/48	Calif. Elc. Works	Signals	$23,965	$425	$24,390
11VC29-P	San Diego	2	Ocn	At Hill St. & Vista Way	-----	6/10/48	Tri-Cities Elc. Serv.	Signals	8,881	876	9,757
51-11VC7-P	San Diego	2	Ocn	At Hill St.	-----	12/20/50	Calif. Elc. Works	Signals & Lights	10,650	874	11,524
51-11VC11-F	San Diego	2	Ocn	Bet. 0.3 Mi. S. of Mission Ave. & San Luis Rey Riv.	1.0	3/23/51	Cox Bros. Const. Co.	Gr., P.C.C. on C.T.S. & 3 R.C. Gr. Sep. Structs.	977,595	105,644	1,083,239
53-11VC18	San Diego	2	Ocn	Bet. ¼ Mi. S. of Mission Ave. & San Luis Rey Riv.	1.0	3/30/53	Castro & Fisher	Planting	25,975	----------	25,975
54-11VC17	San Diego	2	Ocn	Bet. Hill St. & Capistrano Dr.	-----	11/30/53	Cox Bros. Const. Co.	Lights & Chnlz.	16,943	1,695	18,638
51-14VC23-F	San Diego	2	Ocn, C	Bet. 0.1 Mi. S. of San Luis Rey Riv. & Entrance to Camp Pendleton	0.5	6/18/51	Charles MacClosky Co.	Widen Stl. Truss Br. & P.M.S. on Apps.	998,312	63,000	1,061,312
14VMC1	San Diego	2	S.D	At Switzer Canyon OH. near 10th St.	-----	3/10/47	C. B. Tuttle Co.	Redeck R.C. OH.	47,143	----------	47,143
11VMC7	San Diego	2	S.D	Bet. Tecolote Cr. & Balboa Ave.	2.5	12/8/47	R. E. Hazard Contr. Co.	Gr., I.B., & P.M.S.	45,593	----------	45,593
11VMC10-P	San Diego	2	S.D	At 5th Ave. & Harbor Dr.	-----	3/4/48	Tri-Cities Elc. Serv.	Signals	9,655	----------	9,655
11VMC11	San Diego	2	S.D	On Pacific Hwy. at Balboa Ave.	0.1	3/5/48	R. E. Hazard Contr. Co.	Gr., A.C. & Chnlz.	21,612	----------	21,612
11VMC13-P	San Diego	2	S.D	At Pacific Hwy. & Balboa Ave.	-----	4/6/48	Calif. Elc. Works	Signals & Lights	11,287	----------	11,287
1-11VVC4	San Diego	2	S.D	At Jellett St.	0.3	2/20/50	V. R. Dennis Const. Co.	Gr. & P.M.S. on I.B.M.	15,487	3,268	18,755
1-11VMC21	San Diego	2	S.D	Bet. Miramar & Torrey Pines Gr.	2.4	4/29/50	R. E. Hazard Contr. Co.	P.M.S. on Shldrs.	12,923	----------	12,923
1-11VVC6-P	San Diego	2	S.D	At 8th Ave.	-----	6/14/50	V. R. Dennis Const. Co.	Signals, Lights & Chnlz.	34,558	2,297	36,855
51-11VC2	San Diego	2	S.D	Bet. Couts St. & Rosecrans Frontage Rds.	0.7	7/20/50	Cox Bros. Const. Co.	Gr. & P.M.S.	59,626	7,414	67,040
51-14VC15-Y	San Diego	2	S.D	Across San Diego Riv.	0.5	2/26/51	Guy F. Atkinson Co.	Stl. Br. & Apps.	348,859	19,703	368,562
52-11VC6	San Diego	2	S.D, A, B, Ocn, C	Bet. Balboa Ave. & Las Flores	5.2	6/6/51	Griffith Co.	P.M.S.	110,532	7,453	117,985
51-11VC14-P	San Diego	2	S.D	Bet. E St. & Date St.	-----	6/28/51	Ets-Hokin & Galvan, Inc.	Signals, Lights & Chnlz.	36,437	2,169	38,606
52-11VC7-P	San Diego	2	S.D	At Intrs. of Pacific Hwy. with Washington St.	-----	7/3/51	Ets-Hokin & Galvan, Inc.	Signals & Chnlz.	22,807	1,304	24,111
52-11VC13-P	San Diego	2	S.D	At Intrs. Pacific Hwy. with Miramar Rd.	-----	2/21/52	Cox Bros. Const. Co.	Signals, Lights & Chnlz.	44,038	5,188	49,226
52-11VC17	San Diego	2	S.D	On Pacific Hwy. at Deanza Cove	0.4	6/20/52	Cox Bros. Const. Co.	Gr., P.M.S. & Chnlz.	45,755	8,168	53,923
53-11VC6	San Diego	2	S.D, A, C	Bet. Balboa Ave. in San Diego & Las Flores (Por.)	7.6	6/27/52	R. E. Hazard Const. Co.	P.M.S.	102,397	7,855	110,252
54-11VC7	San Diego	2	S.D	Bet. Torrey Pines Mesa & Penasquitos Cr.	2.3	7/30/53	Griffith Co.	Gr., C.T.S., P.C.C. Base & P.M.S.	298,950	29,890	328,840
54-11VC8-P	San Diego	2, 12	S.D	At the Intrs. of Pacific Hwy. with Rosecrans St.-Congress St. & with Laurel St., Harbor Dr. with 28th St. & Lytton St. with Rosecrans St.	-----	8/6/53	Ets-Hokin & Galvan	Signals, Lights & Chnlz.	44,632	4,982	49,614

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
11VC17	San Diego	12	A, LMsa, B, ECj	Bet. San Diego & El Cajon	2.9	7/31/47	Griffith Co.	P.M.S.	$42,564	$2,102	$44,666
51-11VC9	San Diego	12	B	At E. La Mesa Blvd., Fuerte Dr., & Murray Ave.		1/22/51	R. E. Hazard Const. Co., Inc.	Signals, Lights & Chnlz.	43,298	3,723	47,021
11V46	San Diego	12	D	Bet. Willows & Sweetwater Riv.	6.3	4/22/48	Honor Camp Labor	Gr.	197,570	11,064	208,634
11V53	San Diego	12	D	Bet. Willows & Sweetwater Riv.	6.3	9/3/48	Honor Camp Labor	Gr.	192,700	16,685	209,385
11V55	San Diego	12	D	Bet. Willows & Descanso Jct.	7.0	7/1/49	Honor Camp Labor	Gr.	491,875	31,744	523,619
1-14VC90	San Diego	12	D	Across Viejas Cr., 3 Mi. E. of Alpine		7/22/49	E. G. Perham	Conc. Br.	49,921	8,922	58,843
1-11VC62	San Diego	12	D	Bet. The Willows & 4 Mi. E.	3.9	6/29/50	Clyde W. Wood & Sons, Inc.	Gr. & P.M.S. on U.R.B.	438,919	52,085	491,004
51-14VC10	San Diego	12	D	Bet. Wildwood Glen & Descanso Jct.	0.8	11/18/50	Clyde W. Wood & Sons, Inc.	Gr., R.M.S. & Stl. Br.	373,343	41,715	415,058
53-11VC11	San Diego	12	S.D	Bet. Park Blvd. & Texas St.	0.5	10/23/52	Griffith Co.	P.M.S.	21,519	1,748	23,267
52-11VC1	San Diego	12	ECj, B, C	Bet. Chambers St. & 2nd St.	2.0	4/2/51	R. E. Hazard Contr. Co.	Gr. & P.M.S.	191,951	25,000	216,951
11GC3	San Diego	12 City St.	S.D	On Washington St., Normal St., & El Cajon Blvd.	1.1	9/8/47	Griffith Co.	Gr., P.C.C. & P.M.S.	209,776	18,040	227,816
11VC22-P	San Diego	12 City St.	S.D	On Washington St. & El Cajon Blvd.		2/20/48	Tri-Cities Elc. Serv.	Signals & Lights	42,963	737	43,700
11VMC12-P	San Diego	12, 200	S.D	At College Ave. & El Cajon Blvd. & at 30th St. & Market St.		3/23/48	Ets-Hokin & Galvan	Signals	18,631		18,631
0-11VMC18	San Diego	12, 2 200	S.D	Bet. Texas St. & Campo Dr., Bet. Cudahy Channel & Balboa Ave. & Bet. Market St. & Home Ave.	5.9	10/19/48	Griffith Co.	Resurf. with P.M.S.	230,531		230,531
1-11VMC20	San Diego	12	S.D	On Canyon St., Bet. Rosecrans St. & 0.5 Mi. W.	0.5	6/28/49	Pace Const Co.	Resurf with P.M.S. & Storm Drains	86,157		86,157
1-11VVC3-P	San Diego	12, 200	S.D	On El Cajon Blvd. & Market St.		11/4/49	Ets-Hokin & Galvan	Signals & Lights	25,540	1,343	26,883
1-11VVC7-P	San Diego	12	S.D	At Canon St.		6/20/50	Ets-Hokin & Galvan	Signals	4,396	491	4,887
51-11VC8-P	San Diego	12, 200	S.D	El Cajon Blvd., at 56th & 59th Sts., & at Market St. & Kettner Blvd.		1/15/51	California Elc. Works	Signals & Lights	22,608	1,960	24,568
52-11VC16-P	San Diego	12	S.D	At Intrs. El Cajon Blvd. with Oregon St., Euclid Ave., 54th St. & 70th St.		3/7/52	Ets-Hokin & Galvan	Ped. Signals	2,941	307	3,248
53-11VC19	San Diego	12	S.D, LMsa	Bet. Esther St. in San Diego & La Mesa Blvd. in La Mesa	2.5	5/8/53	V. R. Dennis Const. Co.	P.M.S. on P.C.C. Base over I.S.M. & Modify Signals	340,714	34,000	374,714

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-11VC30-FP	San Diego	77	A, B	Bet. Miramar & Lake Hodges	12.0	6/16/48	Griffith Co.	Gr., P.M.S. & 2 R.C. Brs.	$1,655,459	$114,378	$1,769,837
0-11VC36	San Diego	77	A	Bet. N. of San Diego City Limits & Murphy Canyon Rd.	2.8	8/6/48	V. R. Dennis Const. Co.	Resurf. with P.M.S.	38,384	3,090	41,474
0-11VC41	San Diego	77	A	Bet. San Diego & Miramar	6.5	11/10/48	R. E. Hazard Contr. Co., Inc., & C. G. Willis & Sons., Inc.	Gr., C.T.B. & R.C. Br.	686,895	64,142	751,037
1-11VC51-F	San Diego	77	A	Bet. N.C.L. of San Diego & Miramar	6.5	11/18/49	Cox Bros. Const. Co.	P.M.S. on C.T.B.	435,576	46,070	481,646
1-11VC56-F	San Diego	77	A, B	Bet. Miramar & Lake Hodges	11.8	4/1/50	Peter Kiewit Sons' Co.	P.M.S.	212,236	18,813	231,049
11VC35	San Diego	77	B, Esd, F	Bet. 0.9 Mi. S. & 0.3 Mi. N. of Escondido	3.0	6/29/48	Griffith Co.	Gr., P.M.S. on C.T.B. & 2 R.C. Brs.	607,181	69,811	676,992
0-11VC46	San Diego	77	B, Esd	Bet. 15th Ave. & Grant Ave.	1.7	6/18/49	Jannoch Nurseries	Landscape	18,534	2,730	21,264
11X30	San Diego	77	F, G	Bet. Escondido & Sta. 380	-----	8/30/46	Honor Camp Labor	Gr.	523,200	35,724	558,924
11XC21	San Diego	77	F, G	Bet. Escondido & 3.4 Mi. S. of Riverside Co. Line	19.6	8/22/47	Morrison-Knudsen Co., Inc.	P.M.S.	208,724	14,459	223,183
11V52	S.D, Riv.	77	F, G, A	Bet. Escondido & Murietta	6.0	7/1/48	Honor Camp Labor	Gr. & Drainage	150,300	18,500	168,800
53-11VC22	San Diego	77	F, G	Bet. 0.3 Mi. N. of Escondido & 3.4. Mi. S. of Riverside Co. Line	19.5	6/4/53	Einer Bros. Inc.	Seal Coat	33,250	3,300	36,550
411X4	San Diego	77	G	Bet. S. Moosa Cr. & San Luis Rey Riv.	1.5	6/30/41	Honor Camp Labor	Gr.	1,061,201	79,173	1,140,374
14XC12	San Diego	77	G	Across San Luis Rey Riv. & Keyes Canyon Cr.	----	4/26/46	Spencer Webb	2 Stl. Brs.	169,111	18,594	187,705
0-11VC38	San Diego	77	G	Bet. Riverside Co. Line & 3.4 Mi. S.	3.4	9/29/48	Peter Kiewit Sons' Co.	P.M.S.	68,453	3,846	72,299
0-11VVC1	San Diego	77	Esd	At 5th Ave. & Grand Ave.	----	6/28/49	Clinton Elc. Corp.	Signals & Lights	18,589	1,443	19,932
51-11VC4-P	San Diego	77, 197	Esd, F, Esd	At Grant Ave. & at Grand Ave.	----	10/18/50	Ets-Hokin & Galvan	Signals & Lights	12,770	1,061	13,831
14XC6-F	San Diego	77	S.D	At Date St., Quince St. & Upas St.	-----	12/6/45	M. H. Golden Const. Co.	3 R.C. OC's.	158,981	16,935	175,916
14XC7	San Diego	77	S.D	Across San Diego Riv.	-----	12/13/45	Harry L. Foster	R.C. Br.	178,002	15,377	193,379
11XC9	San Diego	77	S.D	Bet. A St. & 0.4 Mi. S. of Mission Valley Rd.	2.9	1/11/46	Mittry Bros. Const. Co. & Basich Bros. Const. Co.	Gr. & P.C.C.	1,384,011	122,945	1,506,956
14XC9	San Diego	77	S.D	Balboa Pkwy at Richmond St.	-----	2/20/46	M. H. Golden Const. Co.	R.C. Overcrossing	60,178	9,974	70,152
11XC10	San Diego	77	S.D, A	Bet. 0.4 Mi. S. of Mission Valley Rd. Rd. & 0.5 Mi. N. of San Diego City Limits	4.1	5/15/46	Basich Bros. Const. Co. & Basich Bros.	Gr. & P.C.C.	1,121,774	102,836	1,224,610

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14XC13	San Diego	77	S.D	At Friar's Rd.	-----	6/26/46	Fred D. Kyle	Stl. OC.	$56,117	$7,772	$63,889
14XC15	San Diego	77	S.D	At University Ave.	-----	6/25/46	M. H. Golden Const. Co.	R.C. Overcrossing	131,091	11,375	142,466
14XC14	San Diego	77	S.D	At Mission Valley Rd.	-----	6/26/46	M. H. Golden Const. Co.	2 R.C. OC's.	248,800	17,633	266,433
14XC16	San Diego	77	S.D	Balboa Pkwy. at Pascoe St.	-----	8/8/46	Carroll & Foster	R.C. Overcrossing	74,606	8,784	83,390
14XC17-F	San Diego	77	S.D	Balboa Pkwy. at 6th St.	-----	8/8/46	M. H. Golden Const. Co.	R.C. Undercrossing	111,633	9,253	120,886
11XC16	San Diego	77	S.D	Bet. A St. & 0 4 Mi. S. of Mission Valley Rd.	2.9	4/21/47	Jannoch Nurseries	Landscape	72,369	6,739	79,108
11XC19	San Diego	77	S.D	At 11th Ave. & A St.	-----	8/1/47	Tri-Cities Elc. Serv.	Signals & Lights	9,507	721	10,228
11X43	San Diego	77	S.D, A	Bet. A St. & 0.5 Mi. N. of San Diego City Limits	7.0	8/28/47	Day Labor	Signs & Stripe	8,471	--------	8,471
1-11VC47	San Diego	77	S.D	Bet. A St. & Friar's Rd.	-----	8/5/49	State Const. Co.	Lights	79,158	5,468	84,626
53-11VC13	San Diego	77	S.D	At Friar's Rd. & near Mission Valley Interchange	-----	11/24/52	N. M. Saliba	Drainage Facilities	18,441	2,619	21,060
14XLC6-PF	San Diego	78	A	Across Samagatuma Cr. & Descanso Cr.	-----	4/25/46	Oberg & Cook	2 R.C. Brs.	88,860	8,520	97,380
1-14VC83	San Diego	78	A	Across Sweetwater Riv.	0.4	4/14/49	Thomas Const. Co.	R.C. Br. & Apps.	65,376	8,316	73,692
51-11VC1	San Diego	78	A, B	Across Boulder & Sevilla Crs.	1.0	5/11/50	Arthur A. Johnson	Multi-pl. Culvs. & Apprs.	55,597	12,570	68,167
11XC14	San Diego	78	B, C	Bet. 0.9 Mi. E. Santa Ysabel & 2.4 Mi. W. of Julian	1.3	2/17/47	Clifford C. Bong & Co.	Gr. & B.S.T.	118,626	10,982	129,608
0-11VC37	San Diego	78	B, C	Bet. Julian & Santa Ysabel	1.5	9/1/48	E. C. Young & Co.	Gr. & B.S.T.	180,871	19,484	200,355
1-11VC43	San Diego	78, 198	C, H	Near Santa Ysabel & W. of Ramona	1.3	5/6/49	Clifford C. Bong & Co.	Gr., B.S.T. & Sl. Ct.	71,342	9,186	80,528
14XC10	San Diego	78	D, E	Across Matagual Valley Cr., Canada Verde Cr. & Acorn Cr.	-----	4/3/46	O'Rourke & Parker	3 R.C. Brs.	40,214	4,699	44,913
14VC42	San Diego	78	D	Bet. Agua Caliente Cr. & Buena Vista Cr.	0.5	12/17/47	E. S. & N. S. Johnson	2 R.C. Brs. & Apps.	84,897	10,800	95,696
54-11VC4	San Diego	78	D	Bet. 3.3 Mi. NW. of Warner's & San Luis Rey Riv.	1.2	7/15/53	Arthur A. Johnson	Gr., B.S.T.	50,874	5,000	55,874
11VC19	San Diego	78, 195	E, C	Bet. 3.1 Mi. & 3.5 Mi. N. of San Luis Rey Riv. & Bet. Colby Ranch & Rincon Store	1.1	12/30/47	Arthur A. Johnson	Gr. & B.S.T.	41,041	4,850	45,891
52-11VC15	San Diego	195	A, F	Bet. Oceanside & Bonsall (Por.)	5.0	3/3/52	C. G. Willis & Sons, Inc.	Gr. & R.M.S.	210,660	37,152	247,812
11V41	San Diego	195	B	At Live Oak Cr.	-----	2/2/48	Day Labor	Gr. Apps.	13,444	798	14,242
0-14VC59	San Diego	195	B	Across Live Oak Cr.	-----	6/29/48	E. G. Perham	R.C. Br.	18,569	3,453	22,022
52-14VC1	San Diego	195	B	Across Hancha Cr.	-----	6/21/51	Einer Bros., Inc.	R.C. Br. & Apps.	43,063	7,354	50,417
51-11VC3-P	San Diego	195	Ocn	Bet. Horne St. & Canyon Dr.	0.7	7/26/50	Arthur A. Johnson	Gr., I.B.M. & B.S.T.	40,994	11,808	52,802

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-11V11	San Diego	196	B, Esd	Bet. Mile 0.6 & Rte. 77	1.2	8/26/52	Day Labor	Surfacing	$9,998	$249	$10,247
53-11VC17	San Diego	196	B, Esd	Bet. Vista & Escondido (Por.)	6.6	2/24/53	Ralph B. Slaughter	Gr., P.M.S. on C.T.B. & Sl. Ct.	256,168	32,000	288,168
54-11VC3	San Diego	196	Cbd, Ocn, A	Bet. Rte. 2 in Oceanside & 3.5 Mi. E.	3.5	5/11/53	Griffith Co.	Gr. & P.M.S.	610,943	61,000	671,943
14XLC8	San Diego	197	B	Across Santa Ysabel Cr.	-----	11/1/46	Spencer Webb	Stl. Br. & Apps.	225,425	18,387	243,812
54-11VVC1	San Diego	198	B	Bet. Laurel St. & San Diego Riv. Channel at Lakeside	-----	11/10/53	Sim J. Harris Co.	Drainage Facilities	3,153	300	3,453
52-11VC11	San Diego	198	E	Bet. 0.4 & 6.1 Mi. E. of Julian (Por.)	4.0	1/2/52	E. C. Young	Gr. & B.S.T.	161,790	39,517	201,307
53-11V10	San Diego	198	E	Bet. 0.4 Mi. & 6.1 Mi. E. of Julian (Pors.)	2.0	7/29/52	Day Labor	Surfacing	10,612	991	11,603
14VC48	San Diego	198	F	Across San Felipe Cr., 1.5 Mi. E. of Julian	0.3	2/16/48	Walter H. Barber	R.C. Br. & Apps.	89,936	9,446	99,382
14VC41	San Diego	198	ECj	Across Wright St. Cr.	-----	12/11/47	Johnson-Western Co.	R.C. Culv.	16,039	2,128	18,167
54-11VC16-P	San Diego	198	LMsa	Intrs. of Palm Ave. with La Mesa Blvd.	-----	11/25/53	Ets-Hokin & Galvan	Signals	5,655	408	6,063
11VC25	San Diego	199	A	At National Ave. & Palm Ave.	-----	3/22/48	Ets-Hokin & Galvan	Signals	5,013	338	5,351
53-11VC9	San Diego	199	A	In Palm City at 18th St. & Palm Ave.	0.1	8/29/52	Griffith Co.	P.M.S. & R.C. Culv.	17,798	2,057	19,855
0-11VMC19-P	San Diego	199	Cord	On Orange Ave.	1.5	10/19/48	R. E. Hazard Const. Co.	Resurf. with P.M.S.	64,059	----------	64,059
14XLC9	San Diego	200	B	Across Dulzura Cr., about 5 Mi. S. of Jamul	0.3	4/10/47	Griffith Co.	R.C. Br. & Apps.	76,748	6,454	83,202
11V54	San Diego	200	C	Cottonwood Cr.	-----	12/17/48	Day Labor	Fill	7,416	26	7,442
53-11VC20	San Diego	200	C	Bet. 1.7 & 1.4 Mi. W. of Potrero	0.2	5/8/53	Einer Bros., Inc.	Gr. & B.S.T.	24,233	2,400	26,633
14XLC5	San Diego	200	D	Across Campo Cr., about 6 Mi. W. of Campo	-----	1/8/46	Walter H. Barber	Stl. Br. & Apps.	81,318	9,227	90,545
52-11VC8	San Diego	200	D	Bet. Dulzura & Campo	0.8	7/3/51	Cox Bros. Const. Co.	Gr. & B.S.T.	102,986	10,423	113,409
11VC24-P	San Diego	200	S.D	At Euclid Ave. & Federal Blvd.	-----	3/11/48	Calif. Elc. Works	Signals	9,950	860	10,810
53-11ASC1	San Diego	Acc	Miramar Rd.	Bet. 3 Mi. W. of Rte. 77 & Rte. 77 at Miramar	3.2	7/8/52	Cox Bros. Const. Co.	Gr. & P.M.S. on U.R.B.	227,362	31,000	258,362

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-11DC1	San Diego	FAS 640		Sweetwater Valley Rd. Bet. Highland Ave. & Bonita Br.	2.9	11/13/52	Griffith Co.	Gr. & P.M.S. on C.T.B.	$323,484	$33,843	$357,327
51-11DC2-P	San Diego	FAS 729		On Penasquitos-Poway Rd. Bet. Rte. 77 & Poway	3.6	4/24/51	Ralph A. Bell	Gr.	199,517	18,065	217,582
54-11DC1	San Diego	FAS 731		On Mission Gorge Rd. Bet. Powers St. & Twain Ave. & Bet. N. end of Mission Gorge & Woodside Ave. in Fanito Rancho	1.3	11/12/53	V. R. Dennis Const. Co.	Gr. & P.M.S. on I.B.M.	129,627	23,733	153,360
11DC1-P	San Diego	FAS 732, 12	LMsa	Bet. Fairmont Ext. & Rte. 12	5.0	9/27/48	Daley Corp.	Gr., B.S.T. & Stl. OH.	818,732	82,536	901,268
11DC4-P	San Diego	FAS 732		On Mission Valley Rd., near Intrs. Alvarado Canyon Rd. & Fairmont Ext.		11/7/49	Griffith Co.	72-inch Pipe Culv.	33,892	2,015	35,907
51-11DC1-P	San Diego	FAS 732		Bet. Cabrillo Frwy. in San Diego & Fairmount Ave. Extension	3.7	7/21/50	Griffith Co.	Gr. & P.M.S.	750,058	44,498	794,556
	San Diego			Various Locations				Minor Contracts & D. L. Projects	139,137		139,137
14TMC1	San Francisco	2	S.F	Br. over Presidio		10/29/46	R. W. Reade & Co.	Clean & Paint Br.	41,615		41,615
4T64	San Francisco	2	S.F	On Alemany Blvd., Bet. Mission St. & Sta. 36		5/12/47	State's Share of Cost	Gr. & Pave	98,000		98,000
51-14TC30	San Francisco	2	S.F	Across Presidio		6/2/51	Eaton & Smith	Repair R.C. Br.	45,277	6,327	51,604
52-4TC38	San Francisco	2	S.F	At Jct. Richardson Ave. Off-Ramp & the Marina Connection		6/25/52	Abbett Elc. Corp.	Lights, Signs & Gore	9,092	1,350	10,442
52-14TC17-F	San Francisco	2	S.F	On 13th St. Bet. Mission St. & Rte. 68		2/20/52	Chas. L. Harney, Inc.	Misc. Facilities & R.C. Ftgs.	494,179	56,000	550,179
52-4TC32	San Francisco	56	S.F	Bet. Lake St. & Golden Gate Br. Viaduct		4/1/52	H. S. Tittle Co.	Revise Lights	17,207	1,217	18,424
54-4TTC2	San Francisco	56	S.F	On ramp from Rte. 56 to S. F. Golden Gate Br. App.	0.1	11/30/53	Wulfert Co.	M. P. Guard Rail	2,403	240	2,653
15T3	S.F, Ala	68, 5	S.F-Oak	San Francisco-Oakland Bay Br.		7/19/45		Insurance	130,410		130,410
15T5	S.F, Ala	68, 5	S.F-Oak	San Francisco-Oakland Bay Br.		8/10/48	Day Labor	Maint. & Operation	1,180,846		1,180,846
1-4TC82-F	San Francisco	68	S.F	Bet. Augusta St. & 25th St.	1.3	5/11/49	Guy F. Atkinson Co. and Charles L. Harney, Inc.	Gr., P.C.C., P.M.S., Stl. UC. & Sep. & R.C. UC., OC. & Ped. UC., & Signals	3,022,547	385,001	3,407,548

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-15TC3	San Francisco	68	S.F	San Francisco-Oakland Bay Br. at Pier W-5		8/25/49	Healy Tibbitts Const. Co.	Repair Fender	$15,411		$15,411
1-15TC4	San Francisco	68	S.F	San Francisco-Oakland Bay Br.		6/22/50	Calif. Steel Prod. Co.	Painting Scaffolds	41,739		41,739
4T138	San Francisco	68	S.F	Bet. Augusta St. & 25th St.	1.3	9/21/50	Day Labor	Signs & Stripes	10,262		10,262
4T139	San Francisco	68	S.F	At 25th & Vermont Sts.		10/11/50	City of San Francisco	Signals	8,000		8,000
51-15TC1	San Francisco	68	S.F	San Francisco-Oakland Bay Br. at Harbor Pier No. 24		3/26/51	Grinnell Co. of the Pacific	Sprinkler System	1,300		1,300
51-15TC2	San Francisco	68	S.F	San Francisco-Oakland Bay Br.		4/2/51	Calif. Steel Prod. Co.	Painting Scaffold Tracks	20,945		20,945
4T65	San Francisco	68	S.F	Bet. Marin St. & Waterloo Rd.		4/27/51	Day Labor	Gr. & Pave	96,000		96,000
52-4T14	San Francisco	68	S.F	At Doidge-Koren Paint Co. Plant		10/31/51	Day Labor	Drainage	11,390	$1,053	12,443
52-14BBC1	S.F, Ala	68	S.F-OBB	On San Francisco-Oakland Bay Br.		5/2/52	Herrick Iron Works	Painting Scaffold (Traveler) & Track Below U. Deck	199,754	5,669	205,423
52-14TC22-F	San Francisco	68	S.F	On Bayshore Frwy. Bet. 16th St. & 7th St.	0.7	5/22/52	Guy F. Atkinson Co.	Stl. Br. & Ramps (Por.)	3,054,271	180,000	3,234,271
53-4TC32	San Francisco	68	S.F	At Alemany Rotary	0.1	11/10/52	Chas. L. Harney, Inc.	Chnlz.	8,050	1,886	9,936
53-15TC1	San Francisco	68	S.F	In Yerba Buena Island Tunnel		6/18/53	Superior Tile Co.	Repair Tile Lining	3,973	350	4,323
53-15TC2	San Francisco	68	S.F	At. S.F.-O. Bay Bridge		6/29/53	Hart & Hynding, Inc.	Repair Fender	23,941	2,390	26,331
52-4TC31-F	San Francisco	68	S.F	Bet. Army St. & 17th St.	1.3	3/18/52	Frederickson & Watson Const. Co. & M & K Corp.	Gr., P.C.C. & P.M.S. on C.T.B., Stl. OC. & 3 Stl. Ped. OC's.	1,624,293	257,870	1,882,163
51-14TC31-F	San Francisco	68, 2	S.F	Bet. 18th St. & Bryant St.	0.7	6/22/51	Chas. L. Harney, Inc.	Stl. Br. (Por.)	3,444,949	200,000	3,644,949
53-15T1	S.F, Ala	68, 5	S.F-Oak	San Francisco-Oakland Bay Br.		7/11/52	Day Labor	Maintenance & Insurance	1,058,200		1,058,200
	San Francisco			Various Locations				Minor Contracts & D.L. Projects	2,978		2,978
10TC15	S.J, Sta	4	A, B, Rip	See Stanislaus County							
14TC21	S.J, Sta	4	A, B	See Stanislaus County							
10TC24	S.J, Sta	4	A, B, Rip	See Stanislaus County							
54-10TC20	San Joaquin	4	A	At Mile 6.60 "A," near Manteca		12/9/53	S.M. McGaw Co., Inc.	Drainage Facilities	7,427	600	8,027
10TC14	San Joaquin	4	C	Bet. Calaveras Riv. & Lodi	8.2	6/22/46	Fredrickson & Watson Const. Co.	Gr., P.C.C. & 3 Conc. Brs.	813,602	65,547	879,149
10TC23	San Joaquin	4	C	Bet. Calaveras Riv. & Lodi		8/28/47	F. Kaus	Barrier Posts	25,170	4,353	29,523
0-10TMC6-P	San Joaquin	4	C, Lod	At Cherokee Lane & Lodi Ave., & at Pine St. & Victor Rd.		8/3/48	Ets-Hokin & Galvan	Signals	9,695		9,695
1-10TC52	San Joaquin	4	C	Bet. Calaveras Riv. & Lodi	6.9	7/7/49	Claude C. Wood Co.	P.M.S. Crossovers	31,198	3,532	34,730

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10TL2	San Joaquin	4	E	Across Little John Cr. & S. Branch of Little John Cr., Br. No. 29-17, 18	-----	9/21/44	Day Labor	Repair 2 Timber Brs.	$10,476	$746	$11,222
10TL4	San Joaquin	4	E	Across French Camp Slough & Lone Tree Slough Overflow, Brs. No. 29-19,	20	10/16/44	Day Labor	Repair 2 Timber Brs.	10,400	749	11,149
10TL5	San Joaquin	4	E	Across Lone Tree Slough Overflows Br. No. 29-21, 22	-----	11/24/44	Day Labor	Replace Abutments on 2 Timber Brs.	10,782	743	11,525
10TC25-F	San Joaquin	4, 5	E, Stkn, C, Stkn	Bet. Mariposa Rd. & Calaveras Riv. & Bet. D St. & Rte. 4	6.3	12/4/47	Lord & Bishop & M J B Const. Co.	Gr., P.C.C., 3 R.C. Brs., Stl. Br., & Conc. Gr. Sep.	1,482,986	122,321	1,605,307
1-10TC45-F	San Joaquin	4, 5	E, Stkn, C, Stkn	Bet. Mariposa Rd. & Calaveras Riv. & Bet. Wilson Way & Rte. 4	7.2	4/1/49	United Conc. Pipe Corp.	Gr., P.C.C. & P.M.S.	1,138,421	89,850	1,228,271
10T77	San Joaquin	4, 5	E, Stkn, C, Stkn	Bet. Mariposa Rd. & Calaveras Riv. & Bet. Wilson Way & Rte. 4	7.2	11/2/49	Day Labor	Signs & Stripe	16,427	----------	16,427
1-10TC60	San Joaquin	4, 5	E, Stkn, C, Stkn	Bet. Mariposa Rd. & Calaveras Riv.	-----	3/1/50	R. Gould & Son	Lights	37,368	1,834	39,202
51-10TC10	San Joaquin	4	E, C	Bet. Mariposa Rd. & Waterloo Rd.	-----	8/18/50	Westates Elcl Const. Co.	Signals	33,857	1,900	35,757
52-10TC5	San Joaquin	4, 5	E, Stkn, C, Stkn	Bet. Mariposa Rd. & Calaveras Riv. & Bet. D St. & Rte. 4	6 8	7/27/51	Huettig-Schromm & Bennet	Protective Screen Planting	8,602	790	9,392
54-10TC9	San Joaquin	4	E, C	At Intrs. of Rte. 4 with Mariposa Rd., Fremont St. & Waterloo Rd. near Stockton	-----	9/11/53	Collins Electrical Co., Inc.	Revise Signals & Lights, Chnlz.	23,101	2,300	25,401
1-10TMC9	San Joaquin	4, 24	Lod, C, Lod	Bet. Lockeford St. & 0.1 Mi. N. of Lodi City Limits, & Bet. Cherokee Lane & 0.3 Mi. E.	0.6	7/20/49	Claude C. Wood Co.	Widen & Resurf. with P.M.S. on P.C.C.Base	53,999	----------	53,999
1-10TC46	S.J, Sta	4	Rip, C	See Stanislaus County							
10T26	San Joaquin	5	A, Tra	Bet. Byron Rd. & E. End of Section	4.3	4/29/46	Day Labor	Repair Pvmt.	19,182	1,148	20,330
10TC12	San Joaquin	5	A, Tra	Bet. Byron Rd. & Banta Rd.	5.5	5/7/46	M. J. Ruddy & Son	P.M.S. on Rock Base	137,462	11,347	148,809
53-10TC6	San Joaquin	5	A	Bet. Alameda Co. Line & Janney Sta.	3.7	7/10/52	M. J. Ruddy & Son	P.M.S.	114,342	14,821	129,163
53-10TC9	S.J, Ala	5	A, E	See Alameda County							

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10TC10	San Joaquin	5	B	Bet. Grant Line Rd. & Mossdale	3.8	1/24/46	M J B Const. Co.	Gr. & P.C.C.	$396,325	$45,040	$441,365
14TC10	San Joaquin	5	B	Across Paradise Cut & Paradise Cut Overflow	-----	1/29/46	Stockton Const. Co.	Stl. Br. & R.C. Br.	114,333	13,563	127,896
14TC17	San Joaquin	5	B	Across San Joaquin Riv. at Mossdale	-----	11/22/46	Lord & Bishop	Br. Substructure	257,449	13,423	270,872
14TC25-F	San Joaquin	5	B	Across San Joaquin Riv. at Mossdale	-----	9/22/47	Judson-Pacific-Murphy Corp.	Stl. Truss Br. Superstructure	436,578	34,360	470,938
52-14BC1-F	San Joaquin	5	B	Across Paradise Cut Overflow, about 6.7 Mi. E. of Tracy	-----	10/3/51	Nomellini Const. Co.	R.C. Br. & P.C.C. on U.R B on Apps.	160,536	22,738	183,274
54-10TC7	San Joaquin	5	B	Bet. Banta Rd. & Grant Line Rd. abt. 2.5 Mi. E. of Tracy	1.9	7/23/53	A. Teichert & Son, Inc.	C.T.B. Borders & P.M.S.	90,676	8,500	99,176
54-14TC34	San Joaquin	5	B	Across San Joaquin Riv. at Mossdale	-----	12/9/53	Charles S. Moore	Traffic Strip	16,728	1,670	18,398
55-10TC7	San Joaquin	5	B	Bet. 0.5 Mi. E. of Paradise Cut & San Joaquin Riv. Frontage Rds.	0.7	4/1/54	A. Teichert & Son, Inc.	Gr. & P.M.S.	16,728	1,670	18,398
53-14TC12	San Joaquin	5	D	Across Calaveras Riv. at Bellota	0.2	6/18/52	Thomas Const. Co.	R.C. Br. & Gr. & P.M.S. on Apps.	53,074	9,000	62,074
10TMC2	San Joaquin	5	Tra	On 11th St., Bet. N. B St. & Central Ave.	-----	10/2/47	Charles I. Cunningham	P.C.C.	2,313	----------	2,313
10TC30-P	San Joaquin	5	Tra	Bet. East St. & Roosevelt Ave.	-----	4/9/48	Parker Elc.	Signals	13,499	----------	13,499
54-10TC5	S.J, Cal	24	A, A, B	Bet. 0.1 Mi. W. of San Joaquin Co. Line & Valley Springs	5.2	7/1/53	Claude C. Wood Co.	Widen, P.M.S. on U.R.B.	269,637	35,000	304,637
1-10TC43	San Joaquin	41	A	Bet. S'ly Boundary & Rte. 5	8.3	4/1/49	M. J. Ruddy & Son	P.M.S. on U.R.B.	125,306	3,653	128,959
1-14TC62	San Joaquin	53	C	Across Potato Slough	-----	4/1/49	R. G. Clifford	Reconstruct Stl. Br.	55,081	4,548	59,629
51-10TC5	San Joaquin	53	C	4 Mi. E. of Terminous	0.3	4/15/50	Claude C. Wood Co.	Gr. & P.M.S. on U.R.B.	23,294	1,875	25,169
1-10TC47	San Joaquin	66	B	Bet. Brennan Rd. & E'ly Boundary	5.2	4/12/49	Granite Const. Co.	P.M.S. on U.R.B.	88,379	11,795	100,174
52-10TC9	San Joaquin	66	B	At 3 Locations Bet. 1.3 Mi. & 4.5 Mi. E. of Manteca	0.2	10/1/51	M. J. Ruddy & Son	Gr., P.M.S. on U.R.B., Widen R.C. Br., & 2 R.C. Pipe Siphons	30,724	5,597	36,321
53-10T10	San Joaquin	66	Mtca	Bet. Grant Ave. & the E'ly City Limits of Manteca	0.4	7/25/52	City of Manteca	Widen Pave.	11,202	----------	11,202
10WC15	San Joaquin	75	A	Bet. Middle Riv. & Holt	4.4	4/22/47	M J B Const. Co.	P.M.S.	97,071	4,091	101,162
0-14TC56	San Joaquin	75	A	Across Old & Middle Rivs.	-----	12/6/48	Lew Jones Const. Co.	Redeck 2 Stl. Truss Brs.	64,785	5,647	70,432
1-10TC51	San Joaquin	75	A	Bet. Old Riv. & Middle Riv.	4.3	6/15/49	M. J. Ruddy & Son	P.M.S. on U.R.B.	108,987	6,038	115,025

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10W43	San Joaquin	75	B	Bet. Beginning of Section & Hewitt Rd.	12.1	8/19/46	Day Labor	Patch & Sl. Ct.	$21,525	$1,277	$22,802
51-10TC14	San Joaquin	75	B	At Mormon Slough & at Lone Oak Cr.	-----	10/31/50	Thomas Const. Co.	Gr., P.M.S. on U.R.B. & Replace Brs. with Culvs.	32,646	4,093	36,739
1-10TC57	San Joaquin	75	Stkn	Bet. French Camp Turnpike & El Dorado St.	0.2	9/15/49	A. Teichert & Son, Inc.	Gr. & P.M.S. on U.R.B.	52,161	3,134	55,295
14WLC48	San Joaquin	97	A	Across Calaveras Riv.	0.4	3/13/47	Elmer J. Warner	Gr., P.M.S. & Stl. Br.	72,166	7,142	79,308
50-10TC2	S.J, Stkn	110	A, A, B	Bet. Jct. with Rte. 41 & 6.5 Mi. W. of Modesto	7.9	4/18/52	M. J. Ruddy & Son	P.M.S.	235,398	24,298	259,696
14AN2	San Joaquin	Access	----------	At S.P. & W.P.R.R. on JX & Lathrop Rds.	-----	3/12/45	Day Labor	Flashing Light Signals	12,849	----------	12,849
54-10TC3	S.J, Ama, Cal, Mer	Var	Var	See Amador County							
14DC47	S.J, Sac	FAS 540	----------	Across Mokelumne Riv.	-----	1/7/49	Lord & Bishop	Stl. Truss Br. & P.M.S. on Apps.	264,617	20,061	284,678
10DC9	San Joaquin	FAS 540	----------	On Thornton Rd. Bet. Benson Ferry Br. & 0.8 Mi. SE'ly.	0.8	10/5/49	M J B Const. Co.	Gr. & P.M.S.	70,875	5,757	76,632
52-10DC6	San Joaquin	FAS 543	----------	On Pacific Ave., Bet. FAS Rte. 641 near Five Mile House NW. of Stockton & Stockton C.L.	2.7	9/18/51	Geo. Pollock Co.	Widen, Gr., U.R.B. on I.B.M., Pen. Tr., Sl. Ct. & R.C. Br.	153,380	23,238	176,618
52-10DC9	San Joaquin	FAS 543	----------	On Pacific Ave. Bet. 5 Mile House & Calaveras Riv.	2.4	5/12/52	A. Teichert & Son, Inc.	Gr. & P.M.S.	160,616	19,498	180,114
53-10DC4	San Joaquin	FAS 543, 641	----------	On Pacific Ave. Bet. Hammer Lane & Calaveras Riv. Br.	3.1	4/17/53	A. Teichert & Son, Inc.	Gr., P.M.S. on U.R.B.	256,434	15,000	271,434
14DC13	San Joaquin	FAS 901	----------	Across Mokelumne Riv.	-----	4/23/47	A. A. Edmondson & A. L. Miller	Stl. & R.C. Br.	164,234	2,437	166,670
10DC5	San Joaquin	FAS 901	----------	Bet. Davis Rd. & Bender Rd.	0.8	8/30/48	Claude C. Wood Co.	Gr. & P.M.S.	50,520	3,996	54,516
14DG16	S.J, Mer, Sta	FAS 903, 1058, 913	----------	See Merced County							

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-10DC3-P	San Joaquin	FAS 903		Bet. Rte. 4 & Jack Tone Rd.	5.3	10/11/50	M J B Const. Co.	Gr. & P.M.S.	$183,293	$10,007	$193,300
10DC13	San Joaquin	FAS 908		Bet. Rte. 5 & Holly Sugar Spur	3.7	6/22/50	P. J. Moore & Son	Gr. & P.M.S. on U.R.B.	104,627	10,009	114,636
	San Joaquin			Various Locations				Minor Contracts & D.L. Projects	56,491		56,491
1-5VC35-F	San Luis Obispo	2	B	Bet. Atascadero & 1 Mi. S. of Templeton	4.1	4/21/50	M J B Const. Co.	Gr., P.M.S. & 2 RC. Brs.	665,329	80,013	745,342
52-5VC1	San Luis Obispo	2	B	Bet. 1 Mi. S. of Templeton & Paso Robles	6.0	4/25/51	Madonna Const. Co.	Gr., P.M.S. on C.T.B.	628,788	73,548	702,336
52-5VC10-FP	San Luis Obispo	2	B, PsRs, A	Bet. 1.0 Mi. S. of Templeton & 0.2 Mi. N. of Paso Robles	9.0	6/18/52	Granite Const. Co.	Gr. & P.M.S. on C.T.B.	727,320	106,500	833,820
5VC14-F	San Luis Obispo	2	D	Bet. San Luis Obispo & Cuesta Gr.	2.7	6/20/47	Fredericksen & Kasler	Gr. & A.C.	736,207	49,407	785,614
5V18	San Luis Obispo	2	D	Near Santa Margarita		4/ 5/48	Day Labor	Truck Scales	15,420		15,420
1-5VC26-F	San Luis Obispo	2	D	Bet. Cuesta Siding & 1 Mi. S. of Santa Margarita	2.1	4/20/49	Granite Const. Co.	Gr. & P.M.S.	459,251	51,782	511,033
53-5V11	San Luis Obispo	2	D, E	Bet. Sta. 70+93 & 77+50 & Bet. Sta. 609+90 & 617+00		1/13/53	Day Labor	Install Underdrains	5,644		5,644
1-5VVC2	San Luis Obispo	2	E	At Santa Fe Br. Intrs.		11/29/49	Gallagher & Ochs	Lights	2,396	569	2,965
5VC15-F	San Luis Obispo	2	E, SLO	Bet. Miles Sta. & Marsh St.	6.6	11/ 4/47	Fredericksen & Kasler	Gr. & P.M.S.	1,407,424	92,559	1,499,983
53-5VC4	San Luis Obispo	2	E	Bet. Bellvue School & Santa Fe Br. Intrs.	0.2	7/ 7/52	Hermreck & Easter	Gr. & P.M.S. on C.T.B.	32,079	4,095	36,174
53-5VC7	San Luis Obispo	2	E	Bet. Pismo Beach & San Luis Obispo	4.7	8/27/52	Valley Pav. Co.	P.M.S. & Sl. Ct.	84,506	10,000	94,506
53-5VC11	San Luis Obispo	2	E	Intrs. of Rte. 2 with N. & S. Entrances to Shell Beach		2/25/53	Gallagher & Ochs	Lights	5,471	390	5,861
5V9	San Luis Obispo	2	F, E	Bet. Nipomo & Pismo Beach	4.0	4/13/46	Day Labor	Stabilize & Raise Shldrs.	5,674	62	5,736
5VC7	San Luis Obispo	2	F	Bet. Santa Maria Riv. & 1.5 Mi. S. of Nipomo	2.1	6/11/46	Fairey-Hammond, Inc.	P.M.S. on C.R.B.	102,962	5,885	108,847
5VC13	SLO, S.B.	2	F, C	See Santa Barbara County							
0-5VC16	San Luis Obispo	2	F	Bet. Deleissigues Cr. & Russel Turn	2.3	4/ 1/48	Madonna Const. Co.	Gr. & P.M.S. on C.R.B.	126,573	7,265	133,838
54-VC3	San Luis Obispo	2	ArGr	In City of Arroyo Grande	1.4	4/ 1/53	Valley Paving Co.	Gr., P.M.S. on C.T.B.	95,430	18,600	114,030
5V43	San Luis Obispo	2	PsRs, A	Bet. N.C.L. & 1,300′ N.		9/ 7/48	Day Labor	Improve 2 Curves	5,917		5,917
52-5VC6	San Luis Obispo	2, 33	PsRs	At Intrs. of Spring St. with 12th St. & 13th St.		9/13/51	Howard Elc. Co.	Signals & Lights	16,041	1,831	17,872
54-5VC4-F	San Luis Obispo	2	PsRs, A	Bet. Paso Robles & San Miguel	6.4	5/20/53	Madonna Const. Co.	Gr., I.S.M. & R.C. Br.	647,362	64,700	712,062
5VC19-F	San Luis Obispo	2	PBch, E	Bet. Pismo Beach & Miles Sta.	4.9	4/29/48	Fredericksen & Kasler	Gr., P.M.S. on C.R.B. & R.C. Br.	1,041,415	87,825	1,129,240
55-5VC2	San Luis Obispo	2	PBch	Bet. Villa Cr. & Jct. Rte. 56	0.6	4/ 1/54	Valley Paving Co.	Resurf. with P.M.S. & Sl. Ct.	28,154	2,800	30,954

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
5VC17	San Luis Obispo	2	SLO	At Marsh & Higuera St.	-----	4/ 6/48	L. H. Leonardi Elc. Const. Co.	Signals	$15,669	$619	$16,288
1-5VC31	SLO, S.B.	2	SLO, E, D	See Santa Barbara County							
52-14VC16-F	San Luis Obispo	2	SLO	At Marsh St., Stenner Cr., & Chorro St., & on N. Broad St.	0.5	1/28/52	C. B. Tuttle Co.	Gr., P.M.S. on C.T.B., 2 R.C. UC's., R.C. Br. & Widen R.C. Br.	415,301	40,000	455,301
52-14VC19-F	San Luis Obispo	2	SLO	At Grand Ave. & at Buena Vista Ave.	-----	5/ 5/52	Thomas Const. Co.	Gr., P.M.S., R.C. OC., & R.C. UC.	207,259	20,081	227,340
52-14VC2-F	San Luis Obispo	2	SLO	At Santa Rosa St., At Ida St. & At S.P. R.R.	-----	9/ 4/51	Granite Const. Co.	Gr., P.M.S. on C.T.I.B.M., R.C. OC., R.C. Sep. & Stl. UP	589,191	46,500	635,691
53-5VC10-F	San Luis Obispo	2	SLO	Bet. Marsh St. & San Luis Obispo Cr. in the City of San Luis Obispo	2.3	1/16/53	Madonna Const. Co.	Gr., I.B.M. on I.S.M. & P.M.S. on C.T.B.	579,435	65,000	644,435
1-5VC29	San Luis Obispo	33, 125	C, D	Bet. Cholame & Kern Co. Line	4.0	5/10/49	Valley Pav. & Const. Co., Inc.	Resurf. with P.M.S.	132,880	19,105	151,985
1-5VC34	San Luis Obispo	33	C	Bet. Rte. 125 & Kern Co. Line	4.2	3/29/50	Granite Const. Co.	P.M.S. on C.T.I.B	99,195	10,850	110,045
14XLC10	San Luis Obispo	33	D	Across Santa Rosa Cr., 9 Mi E of Cambria	-----	6/18/47	E. G. Perham	R.C. Br.	16,675	2,898	19,573
51-5VC1	San Luis Obispo	33	D	Across Black Mtn. Cr.	0.1	4/29/50	Thomas Const. Co.	Replace Br. with C.M.P. Culv.	10,554	2,065	12,619
0-14VC52	San Luis Obispo	33	E	Across Rocky Cr., E. of Cambria	-----	4/22/48	D. M. Pilburn	R.C. Br.	15,482	2,011	17,493
5X17	San Luis Obispo	56	A	Bet. Arroyo De La Cruz & San Carpojo Cr.	3.9	3/20/47	Day Labor	Resurf. with R.M.S.	13,963	319	14,282
52-14VC4	San Luis Obispo	56	A	Across Arroyo De La Cruz Abt. 8.5 Mi. N. of San Simeon	-----	9/25/51	Wm. Radtke & Son	Redeck Timber Br. with R.C. Slabs	27,202	2,820	30,022
54-5VC18	San Luis Obispo	56	A	Bet. 13.6 Mi. & 15.3 Mi. N. of San Simeon	-----	3/18/54	D. D. Galbraith and Robert F. Batty	M.P. Guard Rail	2,620	260	2,880
54-5VC20	San Luis Obispo	56	A	Bet 1.2 Mi. & 1.4 Mi. N. of San Simeon	0.2	4/22/54	Madonna Constr. Co.	Gr. & R.M.S. on I.B.M.	9,903	900	10,803
1-14VC100	San Luis Obispo	56	C	Across Cayucos Cr.	0.7	5/18/50	Madonna Const. Co.	R.C. Br. & P.M.S. on Apps.	115,112	16,094	131,206
0-5VC23	San Luis Obispo	56	D	Across San Luisito Cr. & San Bernardo Cr.	0.2	8/16/48	O. R. Ochs & Son	2 R.C. Culvs. & Apps.	37,776	4,088	41,864

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14XLC11	San Luis Obispo	56	E	Across Villa Cr.	-----	6/24/47	E. G. Perham	R.C. Br.	$27,541	$3,707	$31,248
52-14VC7	San Luis Obispo	56	E	Across Los Berros Cr., Abt. 2 Mi. SW. of Arroyo Grande	0.1	10/19/51	B. S. McElderry	R.C. Br. & Apps. Gr., P.M.S. on I.B.M. & Sl. Cts.	47,242	6,466	53,708
54-5VC8-P	San Luis Obispo	56	SLO	Intrs. of Santa Rosa St. with Foothill Blvd.	-----	11/ 4/53	Ed. H. Anderson	Signals & Lights	12,601	1,260	13,861
5XL8	San Luis Obispo	57	B	At Gifford Cattlepass	-----	4/ 9/46	Day Labor	R.C. Br.	8,636	27	8,663
51-14VC2	San Luis Obispo	57	B	Bet. 38.9 & 46.6 Mi. E. of Santa Maria	-----	6/14/50	E. G. Perham	4 R.C. Cattlepasses	27,193	4,798	31,991
52-5VC-F	San Luis Obispo	125	A	Bet. 2.6 Mi. & 5.0 Mi. E. of Rte. 56	2.3	7/11/51	Valley Pav. & Const. Co.	Gr. & B.S.T. on I.S.M. & I.B.M.	167,744	20,311	188,055
53-5VC6	SLO, S.B	125, 2, 80	A, S.B, B	See Santa Barbara County							
54-5VC9	San Luis Obispo	125	A	Bet. Rte. 56 near Morro Bay & 2.6 Mi. E.	2.6	11/ 2/53	Valley Paving Co.	Gr., I.S.M., I.B.M. & B.S.T.	112,149	11,270	123,969
0-14VC58	San Luis Obispo	125	B	Across Salinas Riv.	-----	6/18/48	O. R. Ochs & Son	Redeck Stl. Truss Br.	15,106	3,017	18,123
51-5VC7	San Luis Obispo	125	D	Bet. Rte. 33 & Kern Co. Line	3.7	10/ 3/50	Granite Const. Co.	Gr. & P.M.S.	125,808	14,658	140,466
52-5VC2-P	SLO, Mon, S.B.	Var	Var	See Santa Barbara County							
51-5DC2-P	San Luis Obispo	FAS 676	----------	Bet. Creston-Highland Rd. & 0.9 Mi. E. of Rte. 137	4.3	3/ 7/51	Fred McKinley	Gr. & R.C. Br.	127,480	15,870	143,350
52-5DC1	San Luis Obispo	FAS 676	----------	On Calf Canyon-Huer Huero Rd., Bet. 3.2 Mi. W. of Huer Huero-LaPanza Rd. & Creston-Highland Rd.	3.0	11/13/51	Louis Biasotti & Son	Gr. & Drainage	91,572	9,121	100,693
53-5DC1	San Luis Obispo	FAS 676	----------	Calf Canyon-Huer Huero Rd. Bet. Huer Huero-LaPanza Rd. & 3.2 Mi. W.	3.2	10/20/52	M.J.B. Const. Co.	Gr. & I.B.M.	97,969	12,100	110,069
5DC3	San Luis Obispo	FAS 678	----------	Bet. Rte. 56 & 0.5 Mi. W. of Los Osos Cr.	3.1	3/11/48	Madonna Const. Co.	Gr. & I.B.	58,363	8,820	67,183
54-5DC1	San Luis Obispo	FAS 678	----------	On Los Osos Rd. Bet. Perfumo Canyon Rd. & 2.2 Mi. W.	2.2	8/24/53	Madonna Constr. Co.	Gr. & P.M.S. on C.T.B.	101,365	----------	101,365
5DC9	San Luis Obispo	FAS 679	----------	On Avila Rd. Bet. Ontario Hot Springs & Avila	2.5	11/14/49	Granite Const. Co.	Gr. & P.M.S. on I.B.M.	116,998	17,042	134,040
5DC2	San Luis Obispo	FAS 683	----------	On Oso Flaco-Nipomo Rd., Bet. S.P. R.R. & 3.2 Mi. E'ly	3.2	4/11/47	A. Madonna	B.S.T.	63,407	6,071	69,478

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
5DC7	San Luis Obispo	FAS 1085	----------	Bet. Rte. 2 & E. of Estrella	4.2	4/20/49	Eaton & Smith	Gr.	$64,005	$6,979	$70,984
5DC1	San Luis Obispo	FAS 1086	----------	Bet. State Rte. 137 & Rinconada-Las Pilitas Rd.	6.0	3/28/47	Nathan A. Moore	Gr. & I.B.M.	50,408	3,933	54,341
5DC4	San Luis Obispo	FAS 1086	----------	Bet. Rte. 137 & Rinconada-Las Pilitas Rd.	6.1	6/ 7/48	Ned H. Mulleneaux	B.S.T. & Pen. Tr.	15,802	1,464	17,266
----------	San Luis Obispo	------	----------	Various Locations	-----	----------	----------	Minor Contracts & D.L. Projects	93,150	----------	93,150
4T44	San Mateo	2	A	At Hillcrest Blvd.	-----	10/29/46	Day Labor	Signals	6,339	500	6,839
4TMC6	San Mateo	2	A, Burl	On El Camino Real, Bet. Rosedale Ave. & Primrose Rd.	-----	8/ 7/47	Severin Elc. Co.	Signals	39,617	----------	39,617
4TC52	San Mateo	2	A	At Junipero Serra Blvd. & Santa Ynez Ave.	-----	4/29/48	Jensen & Pitts	Signals & Chnlz.	37,965	6,766	44,731
0-4TMC12-P	San Mateo	2	Burl, S.M	Bet. Peninsular Ave. & Hillsdale Blvd.	-----	9/13/48	Geo. Pollock Co.	Signals	54,924	----------	54,924
53-4TC38-P	San Mateo	2	Burl	At Burlingame Cr. (Sanchez Cr.)	-----	3/11/53	Charles S. Moore	Remove Br., Place Field Assembled Plate Pipe Arch, Gr., P.M.S. on C.R.B.	27,361	5,000	32,361
51-4TC31-P	San Mateo	2	DIC	On San Jose Ave. & at Market St.	-----	4/11/51	R. Flatland	Signals & Chnlz.	60,753	5,948	66,701
51-4TC29-P	San Mateo	2	MLP	Bet. Valparaiso Ave. & Ravenswood Ave.	-----	1/13/51	L. H. Leonardi Elc. Const. Co.	Signals	24,436	1,160	25,596
1-4TTC11-P	San Mateo	2	RdwC	Bet. Whipple Ave. & Woodside Rd.	-----	1/10/50	L. H. Leonardi Elc. Const. Co.	Signals & Lights	33,057	4,970	38,027
54-4TC42-P	San Mateo	2, 68	RdwC, S.M	Intrs. El Camino Real with Roosevelt Ave. & Bayshore Hwy. with Nineteenth Ave.	-----	11/20/53	H. S. Tittle Co.	Signals & Lights	14,317	750	15,067
51-4TC36	San Mateo	2	SBr	Bet. Angus Ave. & Sylvan Ave.	-----	6/ 4/51	Leslie S. Mayne	Remove Trees	4,406	458	4,864
53-4TC2	San Mateo	2	S.M	Bet. 25th Ave. & 41st Ave.	1.0	4/ 1/52	L. C. Smith Co.	Widen with P.M.S. on C.T.B.	74,504	8,151	82,655
54-4TC19-P	San Mateo	2	S.M	Intrs. El Camino Real with Hillsdale Blvd.	-----	8/14/53	L. C. Smith Co.	Signals, Lights, Chnlz.	46,569	4,000	50,569
54-4TC33-P	San Mateo	2	S.M	Intrs. El Camino Real with 37th St.	-----	9/25/53	Howard Electric Co.	Signals	8,399	879	9,278
53-4TC12	San Mateo	2	SSF	Intrs. El Camino Real with Hazelwood Dr.-Spruce Ave.	-----	6/13/52	R. Flatland	Signals, Lights, & Chnlz.	14,714	1,210	15,924
54-4TC30	San Mateo	2	SSF, A	Bet. 0.1 Mi. N. of Country Club Dr. & Roosevelt Ave.	0.3	9/22/53	L. C. Smith Co.	Gr., P.M.S. on C.T.B.	54,498	6,500	60,998

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-4TC20	San Mateo	55, 56	A, E, DlC	At Skyline Blvd. & Junipero Serra Blvd.	-----	10/31/50	Eaton & Smith	Signals, Lights & Chnlz.	$103,252	$15,852	$119,104
54-4TC50	San Mateo	55	D	Bet. 1.7 Mi. S. of La Honda Rd. & 3.0 Mi. N. of Alpine Rd. (Pors.)	1.4	3/ 1/54	Leo F. Piazza Paving Co.	P.M.S. on U.R.B.	37,505	5,000	42,505
4TC55	San Mateo	56	A	At Whitehouse Cr. & Gazos Cr.	0.2	5/13/48	Gordon L. Capps	Gr., B.S.T. & 2 Timber Brs.	44,608	9,601	54,209
4WC30	S.M, SCr	56	A, C	See Santa Cruz County							
1-4TC87	San Mateo	56	A	At Cypress Cr. 0.6 Mi. N. Santa Cruz. Co. Line	0.3	6/ 7/49	Granite Const. Co.	Gr., & R.M.S.	31,259	5,115	36,374
0-4TC81	San Mateo	56	C, D	Bet. Half Moon Bay & Montara Cr.	5.0	4/14/49	A. Teichert & Son, Inc.	Gr. & P.M.S.	397,517	54,159	451,676
1-4TC99	San Mateo	56	C	Bet. Frenchman's Cr. & 1 Mi. N'ly.	1.0	1/20/50	Eugene G. Alves	Gr. & P.M.S. on I.B.M.	83,509	16,434	99,943
51-4TC4	San Mateo	56	C	Bet. 1 Mi. S. & 0.5 Mi. N. of Lobitos	1.3	6/ 2/50	Westbrook & Pope	Gr. & P.M.S. on I.B.M.	206,786	33,515	240,301
52-4TC3	San Mateo	56	C	Bet. 0.2 Mi. N. of Lobitos & 0.3 Mi. N. of Canada Verde Cr.	3.4	5/ 4/51	S.A.E. Co.	Gr. & P.M.S.	392,446	49,500	441,946
54-4TC31	San Mateo	56	C, D	Bet. Correas St. & Montara Cr. (Por.)	5.9	9/22/53	Douglass & Woodhouse	P.M.S.	30,284	2,150	32,434
52-4T10	San Mateo	56	E, DIC	Bet. Edgemar & Thornton	-----	8/ 2/51	Day Labor	Improve Drainage	28,378	1,310	29,688
1-4TC106	San Mateo	56	DLC	At Westlake Subdivision	-----	6/ 5/50	Minton & Kubon	Metal Liner Plate Culv.	11,969	1,639	13,608
4TC36	San Mateo	68	A	At Geneva Ave. & near Visitacion Ave.	0.6	5/16/47	Chas. L. Harney, Inc.	Signals & Chnlz.	78,987	8,964	87,951
51-4TC24	San Mateo	68	A, SSF	Bet. S.C.L. of San Francisco & N.C.L. of South San Francisco	3.2	12/20/50	Chas. L. Harney, Inc.	Widen & P.M.S.	335,093	41,107	376,200
53-4T15	San Mateo	68	A	Bet. Sta. 101 & Sta. 109 near Brisbane	-----	9/26/52	Day Labor	Alignment	20,820	2,300	*23,120
4T55	San Mateo	68	B	At Main Entrance to S.F. Municipal Airport	-----	1/30/47	Day Labor	Signals	19,391	947	20,338
4T36	San Mateo	68	C	At Holly St.	-----	6/26/46	Day Labor	Signals	5,545	----------	5,545
0-14TTC2	San Mateo	68	C	Over State Rte. 68, Abt. 12 Mi. N. of Santa Clara Co. Line	-----	9/27/48	Frank W. Smith	Remove Br.	1,859	476	2,335
51-4TC10-P	San Mateo	68	C	At E. Hilldale Blvd.	-----	8/21/50	L. C. Smith	Signals, Lights & Chnlz.	17,837	2,650	20,487
4T88	San Mateo	68	D	At Willow Rd.	-----	1/19/48	Day Labor	Signals & Chnlz.	10,240	667	10,907
52-4TC24-F	San Mateo	68	E	Bet. S.C.L. of San Francisco & 0.6 Mi. S.	0.5	1/24/52	Edward Keeble	Gr.	161,062	35,400	196,462
53-4TC43-F	San Mateo	68	E	Bet. 0.3 Mi. & 1.3 Mi. S. of San Francisco Co. Line	1.0	6/16/53	Guy F. Atkinson Co.	Gr.	862,329	86,230	948,559
14TC19	San Mateo	68	F, Burl	On Bayshore Fwy., Bet. S.S.F. & Burlingame	-----	2/28/47	Carrico & Gautier	Substruct. for 4 Stl. OC's.	397,057	32,524	429,581
14TC24-F	San Mateo	68	F, Burl	Bet. S.S.F. & Burlingame	-----	8/ 7/47	Carrico & Gautier	Superstructs. for 4 OC's.	983,375	54,715	1,038,090

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4T38	San Mateo	68	Bmt	At Ralston Ave.		8/13/46	Day Labor	Signals	$6,534	$413	$6,947
4TC24	San Mateo	68	Burl, S.M	Bet. Broadway in Burlingame & State St. in San Mateo	2.2	6/22/46	Guy F. Atkinson Co.	Gr. & P.C.C. on C.R.B.	672,385	72,254	744,639
4TC46	San Mateo	68	Burl, S.M	Bet. Broadway in Burlingame & Peninsular Ave. in San Mateo	2.0	2/13/48	Huettig & Schromm	Landscape	8,517	2,348	10,865
53-4TC26-P	San Mateo	68	RdwC	Intrs. Bayshore Hwy. with Whipple Ave. & with Chestnut St.-Harbor Blvd.		9/ 2/52	L. C. Smith Co.	Signals, Lights & Chnlz.	51,037	6,150	57,187
55-4TC1	San Mateo	68	SCar, C	Bet. N.C.L. of Redwood City & 0.2 Mi. S. of Bransten Ave.	0.8	4/ 1/54	L. S. Smith Co.	P.M.S. & Sl. Ct.	28,396	3,500	31,896
4T30	San Mateo	68	S.M	At Third Ave.		12/31/45	Day Labor	Revise Signals	6,519		6,519
14TC9	San Mateo	68	S.M	Bayshore Freeway at Peninsular Ave.		1/22/46	Macco Const. Co.	Stl. OC.	258,917	22,410	281,327
0-4TMC11-P	San Mateo	68	S.M	Bet. Peninsular Ave. & Poplar Ave.	0.4	8/24/48	L. C. Smith	Gr. & B.S.T.	20,436	2,756	23,192
53-4TC4-F	San Mateo	68	S.M, C	Bet. N.C.L. & 0.1 Mi. S. of S.C.L. of San Mateo	2.6	4/ 1/52	Piombo Const. Co.	Gr., P.C.C. on C.T.S., R.C. OC., R.C. Ped. OC., Interchange On-Ramp & Off-Ramp, & Widen R.C. Br.	1,772,906	180,000	1,952,906
4TC26	San Mateo	68	SSF	Bet. S.P. R.R. & 0.5 Mi. S'ly.	0.5	6/26/46	Piombo Bros. & Co.	Gr. & Sand Drains	201,558	24,697	226,255
4TC30	San Mateo	68	SSF, F, Burl	Bet. Colma Cr. in S. S. F. & Broadway in Burlingame	5.1	10/ 9/46	Macco Corp. & Morrison-Knudson Co., Inc.	Gr. & A.C. on C.R.B.	2,847,799	178,436	3,026,235
14TC20-F	San Mateo	68	SSF	In South San Francisco		4/11/47	Harry J. Oser & Peter Sorenson	2 R.C. Brs., 1 R.C. UC., & R.C. Sub-Structs. for 2 OH's.	470,763	40,617	511,380
14TC23-F	San Mateo	68	SSF	At Main Line & Belt Line R.R. in S.S.F.		6/27/47	J. H. Pomeroy & Co., Inc.	2 OH. Superstructs.	644,086	23,798	667,884
4TC42-F	San Mateo	68	SSF	Bet. N.C.L. & S. of Colma Cr.	2.1	8/21/47	Guy F. Atkinson Co.	P.C.C., A.C. & P.M.S.	1,049,428	112,739	1,162,167
4T74	San Mateo	68	SSF	Bet. S.S.F. & Burlingame		9/10/47	Day Labor	Signals	21,165	1,143	22,308
4T94	San Mateo	68	SSF, F, Burl	Bet. S.S.F. UP. & Broadway in Burlingame		2/24/48	Day Labor	Restore Gr.	7,133		7,133
4T81	San Mateo	68	SSF, F, Burl	Bet. Colma Cr. & Broadway in Burlingame	4.9	4/29/48	Day Labor	Signs & Stripe	19,785		19,785
4TC53	San Mateo	68	SSF, F, Burl	Bet. Colma Cr. in S.S.F. & Broadway in Burlingame	4.9	5/ 5/48	Frank W. Smith	Armor Coat	17,491	3,311	20,802

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-4TC96	San Mateo	68	SSF, F, Burl	Bet. Grand Ave. & Broadway	5.5	11/ 1/49	Leonard Coates Nurseries, Inc.	Roadside Planting	$36,849	$8,886	$45,735
53-4TC5	San Mateo	68	SSF, F, Mlbr, Burl	Bayshore Frwy. Bet. Colma Cr. & Broadway	5.1	4/ 1/52	L. C. Smith Co.	Resurf. with P.M.S.	265,710	30,000	295,710
4WL6	San Mateo	105	A	At Pilarcitos Br. No. 35-15		2/21/46	Day Labor	Repair Br. with P.C.C.	4,895	213	5,108
0-4TC65	San Mateo	105	A	Bet. 3 Mi. E. & Half Moon Bay	2.7	7/28/48	L. C. Smith	P.M.S.	87,812	12,783	100,595
54-SMAC2	San Mateo	105	B	Across San Francisco Bay Bet. San Mateo & Hayward		9/22/53	Payne Construction Co.	Replace Counterweight Ropes & Const. Inspection Platforms	52,714	5,270	57,984
53-SMAC1	San Mateo	105	B	Across S.F. Bay Bet. San Mateo & Hayward, Bent 555 to Bent 603		5/25/53	Johnson-Western Constructors	Repair R.C. Br.	122,555	12,250	134,805
53-4TC39-P	San Mateo	105	S.M	Bet. Lindbergh St. & 0.1 Mi. E. of South Norfolk St.		3/27/53	L. C. Smith Co.	Signals, Lights & Chnlz.	30,242	1,703	31,945
54-4TC16	San Mateo	107	MIP	Bet. Rte. 68 & S.P. RR. Xing	0.8	7/15/53	L. C. Smith Co.	C.T.B. & P.M.S.	73,427	7,340	80,767
0-4TTC5-P	S.M, Ala	Var	Var	See Alameda County							
4DC7	San Mateo	FAS 1048		Bet. 2.5 Mi. N. of Woodside & Ralston Ave.	4.7	6/30/47	Edward Keeble	Gr. & Armor Ct.	248,414	18,155	266,569
1-4DC14	San Mateo	FAS 1048		Bet. 1.7 Mi. N. of Portola & Mayfield Ave.	2.6	5/ 5/50	Eugene G. Alves	Gr., Armor Coat on C.R.B. & R.C. Br.	142,499	12,053	154,552
52-4DC9	San Mateo	FAS 1048		Portola & Alpine Rds., Abt. 3 Mi. S. of Woodside	4.0	2/20/52	John Delphia	Gr. & I.S.M.	108,753	891	109,644
53-4DC9	San Mateo	FAS 1048		Whiskey Hill Rd. & Portola Rd., near Woodside	2.4	4/30/53	L. C. Smith Co.	Gr., P.M.S. on U.R.B.	192,167	2,500	194,667
4DC2	San Mateo	FAS 1052		On Whipple Rd., Bet. Canada Rd. & Alameda De Las Pulgas	2.9	8/ 9/46	Piombo Bros. & Co.	Gr.	158,435	1,587	160,022
	San Mateo			Various Locations				Minor Contracts & D.L. Projects	118,291		118,291

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
5V10	Santa Barbara	2	C, M, L	Bet. Zaca & Santa Maria (Portions)	9.8	4/13/46	Day Labor	Stabilize & Raise Shldrs.	$16,297	$141	$16,438
5VC13	S.B, SLO	2	C, F	Bet. Zaca & Wigmore & Bet. 1.5 Mi. S. of Nipomo & Deleissigues Cr.	3.9	5/ 7/47	Brown & Doko	P.M.S.	118,797	5,582	124,379
14VC36-FP	Santa Barbara	2	D	Across Nojoqui Cr. & Santa Ynez Riv.		10/ 8/47	C. B. Tuttle Co.	2 Stl. Brs.	516,334	25,942	542,276
0-5VC18-F	Santa Barbara	2	D	Bet. Santa Ynez Riv. & Jonata Park	3.6	4/ 9/48	Dimmit & Taylor & T.M. Page	Gr. & P.M.S. on C.R.B.	538,284	86,421	624,705
1-5VC31	S.B, SLO	2	D, E, SLO	Bet. Santa Ynez Riv. & Jonata Park & Bet. Miles Sta. & Marsh St.	9.9	8/31/49	Madonna Const. Co.	Seal Coat	23,877	1,392	25,269
1-5VC33	Santa Barbara	2	D	In Buellton	0.2	11/10/49	Valley Pav. & Const. Co., Inc.	Gr. & P.M.S. on I.B.M.	9,376	2,449	11,825
1-5VC36	Santa Barbara	2	E, D	Bet. 0.5 Mi. N. of Las Cruces & 1 Mi. N. of Summit	3.1	5/11/50	Granite Const. Co.	Gr. & P.M.S.	647,614	70,638	718,252
51-5VC10-F	Santa Barbara	2, 56	E, A	Bet. Gaviota Gorge & 0.5 Mi. N. of Las Cruces	2.0	3/ 6/51	Granite Const. Co.	Gr. & P.M.S.	670,255	83,038	753,293
52-5VC3	Santa Barbara	2	E	At Gaviota Gorge	0.1	6/18/51	Rhoades-Shofner Const. Co., Inc.	Tunnel & Apps.	1,047,364	78,000	1,125,364
53-5VC2-F	Santa Barbara	2	E	Bet. Gaviota & Gaviota Gorge	3.2	4/ 1/52	Clyde W. Wood & Sons, Inc.	Gr., P.M.S. on C.T.B., Widen R.C. Br. & Superelevate R.C. Br. Deck	1,165,512	143,000	1,308,512
53-5VC12	Santa Barbara	2	E	At Gaviota Gorge Tunnel, Abt. 1.5 Mi. S. of Las Cruces		4/17/53	Ed. H. Anderson Elc. Co.	Tunnel Lights	7,600	760	8,360
5V8	Santa Barbara	2	F	Bet. El Capitan Cr. & Alcatraz	0.6	4/ 6/46	Day Labor	P.M.S.	8,998	61	9,059
0-5VC25	Santa Barbara	2	F	Bet. Arroyo Quemado & Arroyo Hondo	2.6	9/27/48	Clyde W. Wood, Inc.	Gr., P.M.S. & Culvs.	669,432	74,780	744,212
51-5VC5	Santa Barbara	2, 56	F, L, A, B	Various Locations	8.9	8/30/50	Valley Pav. & Const. Co.	Seal Coat	18,896	1,845	20,741
5VC9	Santa Barbara	2	G	Bet. 0.25 Mi. E. of Las Varas Cr. & 0.25 Mi. E. of El Capitan Cr.	2.9	10/28/46	N. M. Ball Sons	Gr. & P.M.S.	400,589	35,474	436,063
54-5VC1	Santa Barbara	2	G	Bet. Winchester Cr. & Las Varas Cr.	3.9	4/ 1/53	Baker & Pollock	P.M.S., Sl. Ct.	159,589	21,400	180,989
1-5VC32-F	S.B., Ven.	2	H, G	See Ventura County							
52-5VC5-F	Santa Barbara	2	H, J	Bet. 0.5 Mi. E. of Arroyo Parida & Ortega Hill	3.7	8/10/51	Griffith Co.	Gr., P.C.C. on C.T.S. & 3 R.C. Brs. & R.C. Ped. UC.	1,101,614	120,000	1,221,614
53-5VC9	Santa Barbara	2	H	At Rincon Cr. Culv., Abt. 15 Mi. E. of Santa Barbara		11/ 5/52	Friant Const. Co.	P.C.C. Apron	13,808	2,532	16,340
54-5VC17	Santa Barbara	2	H	Bet. 0.1 Mi. E. of Carpenteria Cr. & Seventh St. OC.	1.4	2/23/54	Justice-Dunn Co.	Roadside Development	11,341	1,130	12,471

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
54-5VC2-F	Santa Barbara	2	H, J	Bet. 1 Mi. E. of Carpenteria & 0.5 Mi. E. of Arroyo Parida & Bet. Ortega Hill & Sheffield Dr.	3.6	4/ 1/53	Fredrickson & Watson Const. Co.	7 R.C. Brs., Gr., P.M.S. on U.R.B.	$1,098,656	$75,000	$1,173,656
5VC11	Santa Barbara	2	J	Bet. Sheffield Dr. & San Ysidro Rd.	1.3	4/ 1/47	N. M. Ball Sons	Gr. & P.M.S.	356,842	47,674	404,516
0-5VC24	Santa Barbara	2	J	Bet. Sheffield Dr. & San Ysidro Rd.	1.1	9/15/48	Baker & Pollock	Gr., P.M.S. & 4 R.C. Brs.	137,132	17,634	154,766
52-5VC9	Santa Barbara	2	J	At Intrs. of Coast Hwy. with San Ysidro Rd. & Olive Mill Rd. in Montecito	-----	11/29/51	Westates Elcl. Const. Co.	Signals, Lights & Chnlz.	37,057	3,380	40,437
1-5VC28	Santa Barbara	2	L, A	Bet. Orcutt Wye & Santa Maria	2.0	6/30/49	Madonna Const. Co.	Gr. & P.M.S.	205,006	24,858	229,864
51-5VVC1	Santa Barbara	2	L, N	At Orcutt Wye	-----	8/18/50	Westates Elcl. Const. Co.	Lights	4,182	449	4,631
5VC8	Santa Barbara	2	P, Q	At Hollister Wye, Bet. Santa Barbara & Goleta	-----	6/27/46	Jesse S. Smith	Gr. & P.M.S.	142,320	23,396	165,716
5VC10	Santa Barbara	2	P	At Hollister Wye, Bet. Santa Barbara & Goleta	-----	12/ 2/46	L. H. Leonardi Elc. Const. Co.	Signals	19,312	922	20,234
5VC22	Santa Barbara	2	P	At Hollister Wye	-----	6/18/48	L. H. Leonardi Elc. Const. Co.	Signals	1,308	413	1,721
5VC5	Santa Barbara	2	Q, G	Bet. Fairview Ave. & Tecolote Cr.	4.7	10/ 5/45	Dimmitt & Taylor	Gr. & P.M.S.	503,927	60,855	564,782
5VC6-F	Santa Barbara	2	Q	Bet. 0.25 Mi. W. of Rte. 80 & Fairview Ave.	3.7	1/ 8/46	Dimmitt & Taylor	Gr., P.M.S. & 2 R.C. Brs.	524,215	49,992	574,207
5VC21	Santa Barbara	2	Q, G	Bet. Hollister Wye & Tecolote Cr.	8.4	6/ 7/48	Baker & Pollock	Resurf. with P.M.S.	47,041	3,249	50,290
0-5VVC1	Santa Barbara	2	Q	Bet. Santa Barbara & Goleta	0.5	9/13/48	The California Wire Cloth Corp.	Chain Link Fence	2,634	123	2,757
14VC27	Santa Barbara	2	S.B	At Salsipuedes St.	-----	3/ 6/47	Macco Corp.	OH. Substruct.	229,644	20,249	249,893
5VC12-F	Santa Barbara	2	S.B	Bet. 0.2 Mi. E. of Park Pl. & Rancheria St.	2.2	5/16/47	N. M. Ball Sons	Gr., P.C.C., P.M.S., & Conc. Br.	889,688	83,242	972,930
14VC34-F	Santa Barbara	2	S.B	S.P. R.R. at Salsipuedes St.	-----	8/21/47	Carl N. Swenson Co., Inc.	Stl.OH. Superstructure	520,485	22,962	543,447
51-5VC2	Santa Barbara	2	S.B	Bet. Garden St. & Rancheria St.	0.7	4/29/50	Santa Barbara Crane Serv.	Remove & Replant Trees	6,237	1,600	7,837
1-5VVC3	Santa Barbara	2	S.B	At Rancheria & Carillo Sts. and at Micheltorena & Mission Sts.	-----	6/ 9/50	Westates Elcl. Const. Co.	Signals & Lights	30,614	1,285	31,899
51-5VC6	Santa Barbara	2	S.B	At Salsipuedes St. & Bet. Bath St. & Junipero St.	2.3	9/14/50	N. M. Ball Sons	Gr. & P.M.S.	105,233	8,991	114,224
52-5VC7	Santa Barbara	2	S.B	Bet. Montecito Sep. & Park Pl.	0.5	9/ 4/51	Baker & Pollock	Gr. & P.M.S. on U.R.B.	33,328	5,772	39,100
53-5VC6	S.B, SLO	2, 80, 125	S.B, B; A	Bet. Montecito Separation & Park Pl., Bet. Hot Springs Canyon & Tequepis Canyon & Bet. 2.6 Mi. & 5 Mi. E. of Rte. 56	6.4	8/ 8/52	Valley Paving Co.	P.M.S. & Sl. Ct.	27,819	4,450	32,269

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Cons. engr.	Total
53-5VC8	Santa Barbara	2	S.B	At Salinas St. Intrs.	0.1	9/ 8/52	Baker & Pollock	Gr., P.M.S. on U.R.B.	$17,791	$2,455	$20,246
54-5VC13-P	Santa Barbara	2	S.B	Intrs. of Rte. 2 with Milpas St., Santa Barbara St., Anacapa St., State St. & Chapala St.	-----	12/ 9/53	Allan Richard Ochs	Revise Signals & Lights	14,271	1,425	15,696
0-5VC20	Santa Barbara	56	A	Bet. Las Cruces & San Julian Cr.	6.5	5/25/48	N. M. Ball Sons	Gr. & B.S.T.	146,642	17,447	182,089
51-5VC9-F	Santa Barbara	56	A, B	Bet. San Julian Ranch & 1.8 Mi. N. of Ytias Cr.	3.2	1/22/51	Valley Paving & Const. Co.	Gr. & P.M.S.	251,834	26,145	277,979
1-5VC27-P	Santa Barbara	56	B	Bet. Jalama Rd. & Rte. 149	4.3	4/20/49	Rand Const. Co., Inc.	Gr. & P.M.S.	293,697	44,003	337,700
53-14VC9	Santa Barbara	56	C	Across Santa Ynez Riv. Abt. One Mi. N. of Lompoc	-----	8/25/52	Madonna Const. Co.	Repair R.C. Br.	220,296	25,000	245,296
54-5VC16	Santa Barbara	56	C	On Santa Ynez Riv. Abt. 1.5 Mi. N. of Lompoc	-----	2/11/54	Vic Martin	Stl. Tetrahedron Bank Protection	10,045	1,000	11,045
5DVC1-P	Santa Barbara	56	E	Bet. Black Rd. & Point Sal Rd.	5.5	3/16/48	Madonna Const. Co.	Gr., B.S.T. & Stl. OH.	209,371	48,277	257,648
53-5VC3	Santa Barbara	56	E	Bet. Black Rd. & Point Sal Rd.	5.5	5/22/52	Valley Pav. & Contr. Co., Inc.	U.R.S. & Pen. Tr.	82,579	14,500	97,079
53-5VC1	Santa Barbara	57	B	Bet. 1.7 Mi. E. of Buckhorn Cr. & 0.5 M. E. of Clear Cr.	0.4	4/ 1/52	Hermreck & Easter	Gr. & Guard Rail	31,593	2,570	34,163
54-14VC14	Santa Barbara	57	B, C	Bet. 27 & 44 Mi. W. of Maricopa	-----	12/30/53	Albert S. Pratt, Jr.	Const. 3 R.C. Cattlepasses	25,021	2,500	27,521
51-5VC3	Santa Barbara	57	D	Bet. 4 Mi. E. Cuyama Maint. Sta. & 3 Mi. W. of San Luis Obispo Co. Line	3.0	6/ 8/50	Rand Const. Co., Inc.	R.M.S.	29,446	4,228	33,674
53-5VC5	Santa Barbara	57	D	Bet. 3.0 Mi. W. of San Luis Obispo Co. Line & San Luis Obispo Co. Line	2.8	7/ 9/52	Hermreck & Easter	R.M.S. & Shldrs. B.S.T.	40,026	2,631	42,657
51-5VC4-Y	Santa Barbara	80	B	Bet. Tequepis Canyon & 1.5 Mi. E. of Santa Ynez Riv. Br.	3.3	8/ 4/50	Kirst & Sons	Gr. & P.M.S. on U.R.B.	358,057	44,145	402,202
51-5VC8-Y	Santa Barbara	80	B	Bet. Hot Springs Canyon & Tequepis Canyon	4.0	9/27/50	J. A. Payton	Gr. & P.M.S.	540,062	57,132	597,194
53-5V10	Santa Barbara	80	B, C	Bet. Hot Springs Canyon & 1½ Mi. E. of Santa Ynez Riv., & at Cieneguitas Cr.	-----	12/11/52	Day Labor	Drainage Improvements	8,249	820	9,069
54-14VC3	S.B, Ven.	138	A, E	See Ventura County							
0-5VC30-P	Santa Barbara	148	S.Mra	Bet. Railroad Ave. & W.C.L. of Santa Maria	0.5	6/22/49	Madonna Const. Co.	Gr. & P.M.S.	58,026	5,197	63,223
54-5TC3-P	S.B, Mon.	148, 2	S.Mra, B	See Monterey County							
52-5VC8	Santa Barbara	149	A	At W.C.L. of Lompoc, at Miguelito Channel	-----	11/15/51	Laredon Const. Co.	Gr., P.M.S. & R.C. Culv.	10,954	3,482	14,436

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
5X16	Santa Barbara	149	D	Bet. Mi. 0.00 & Mi. 2.60	2.6	3/20/47	Day Labor	Resurf. with R.M.S.	$9,838	$239	$10,077
5DXC1	Santa Barbara	149	D	Bet. 2.6 Mi. E. of Buellton & Grand Ave.	2.3	4/29/47	Frank T. Hickey, Inc.	Gr. & P.M.S.	119,741	18,538	138,279
52-5VC2-P	S.B, SLO, Mon	Var	Var	At Salsipuedes St. & Bet. Bath St. & Junipero St. in Santa Barbara; Bet. Cayucos & 0.6 Mi. N.; Bet. Rte. 33 & Kern Co. Line; & Bet. Spence UP. & 2 Mi. S. of Salinas	9.7	7/31/51	Granite Const. Co.	Seal Coat	34,831	3,160	37,991
----------	Santa Barbara	-------	----------	Various Locations	-----	----------	----------	Minor Contracts & D.L. Projects	92,938	----------	92,938
4TC58-P	Santa Clara	2	A, MVw	Bet. San Antonio Ave. & Saratoga Rd.	1.5	6/10/48	A. J. Raisch Pav. Co.	Gr., P.M.S. & Signals	235,143	23,637	258,780
4T131	Santa Clara	2	A	Bet. Palo Alto & Sunnyvale	5.8	3/10/50	Day Labor	Subseal	13,948	----------	13,948
51-4TC8	Santa Clara	2	A, MVw	Bet. Palo Alto & Sunnyvale	5.9	7/26/50	F. B. Marks, Jr.	Widen, C.T.B. & P.M.S.	373,571	59,515	433,086
54-4TC20	Santa Clara	2, 68	A, A	Intrs. of El Camino Real with Arastradero Rd.-Charleston Rd. & Bayshore Hwy. with Stierlin Rd.	-----	8/14/53	Howard Electric Co.	Signals, Lights & Chnlz.	41,181	4,894	46,075
4T59	Santa Clara	2	B	0.5 Mi. N. of Coyote	-----	3/31/47	Day Labor	Truck Scales	9,961	----------	9,961
1-4TC74	Santa Clara	2	B	Bet. Ford Rd. & Morgan Hill	6.1	4/ 1/49	McGillivray Const. Co.	Resurf. with P.M.S.	106,809	7,398	114,207
51-4TC1	Santa Clara	2	B	Bet. 3.3 Mi. S. of San Jose & Madrone	5.8	4/ 1/50	Leo F. Piazza	P.M.S.	106,679	5,388	112,067
52-4TC12	Santa Clara	2	B	Bet. S.C.L. of San Jose & Tully Rd.	1.5	8/30/51	A. J. Raisch Pav. Co.	Widen & P.M.S. on C.T.B.	102,681	14,882	117,563
53-4TC25	Santa Clara	2	B	Bet. Peebles Ave. & Madrone UP.	0.4	8/27/52	Leo F. Piazza Pav. Co.	Widen with I.B.M., C.T.B., & P.M.S.	18,438	2,366	20,804
1-14TC72	Santa Clara	2	C	Across Carnadero Cr., 1.8 Mi. S. of Gilroy	-----	7/12/49	Dan Caputo	R.C. Br.	85,218	7,667	92,885
1-4TC97-F	Santa Clara	2	C	Bet. 2.6 Mi. S. of Gilroy & 0.5 Mi. S. of Sargent OH.	3.1	12/ 7/49	Fredrickson & Watson Const. Co.	Gr. P.M.S., B.S.T. & Stl. OH.	621,982	85,116	707,098
52-4TC10	Santa Clara	2	C	Bet. Llagas Cr. & Gilroy	5.6	8/14/51	Fredrickson & Watson Const. Co.	P.M.S. & Shldrs.	159,754	14,339	174,093
53-4TC24	Santa Clara	2	C	Bet. Gilroy & 0.4 Mi. S. of Sargent OH.	5.4	8/21/52	Dana R. Tyson Co.	Protective Screen Planting	10,201	1,830	12,031
54-14TC20	Santa Clara	2	C	At Bolsa Rd. Intrs. & at Carnadero Cr. Br.	-----	6/22/53	Wm. Radtke & Son	Lights, Chnlz., Retaining Walls, & Br. Rail	35,969	3,600	39,569
14TC2	Santa Clara	2	E	See Santa Clara Rte. 68-C.							
14TC3	Santa Clara	2	E	See Santa Clara Rte. 68-C.							
4T97-Y	Santa Clara	2	Gil	In Gilroy	-----	3/ 4/48	Day Labor	Signals	8,537	4,700	13,237
1-4TC102-F	Santa Clara	2	Gil, C	Bet. Gilroy & 2.6 Mi. S.	2.8	5/ 4/50	Fredrickson & Watson Const. Co.	Gr. & P.M.S. on C.T.B.	227,994	32,085	260,079

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4T58	Santa Clara	2	MgH	Through Morgan Hill	1.0	3/20/47	Day Labor	Resurface	$8,964	$323	$9,287
1-4TTC9	Santa Clara	2	MgH	At Monterey St. & 2d St.	-----	7/22/49	Howard Elc. Co.	Signals	9,794	1,580	11,374
4TC20-F	Santa Clara	2	SJs, E	See Santa Clara Rte. 68-C							
0-4TTC6-P	Santa Clara	2	SCl	Intrs. Bellomy St. with Park Ave. & the Alameda	-----	1/ 7/49	L. H. Leonardi Elc. Const. Co.	Signals & Lights	11,988	853	12,841
0-4TTC8-P	Santa Clara	2	SCl	Intrs. Clay St. with LaFayette St. & Grant with Franklin	-----	6/15/49	Severin Elc. Co.	Signals & Lights	15,980	775	16,755
54-4TC36-P	Santa Clara	2	SCl	Intrs. El Camino Real with Gould St.-Scott Lane	-----	10/28/53	Howard Electric Co.	Signals, Lights & P.M.S. on U.R.B.	19,995	1,500	21,495
4T57	Santa Clara	5, 68	A, B	At Intrs. of Oakland Rd. & Bayshore Hwy.	-----	3/ 4/47	Day Labor	Signals	8,555	517	9,072
4TC37	Santa Clara	5	A	Bet. Alameda Co. Line & Milpitas	1.0	5/16/47	A. S. Jones	A. C. on C.R.B.	45,527	7,028	52,555
4TC28	Santa Clara	5	B, SJs	Bet. Bascom Ave. & Park Ave.	1.3	7/10/46	Union Pav. Co.	Gr. & A.C. on C.T.B.	181,888	36,214	218,102
4T47	Santa Clara	5	B	At Bascom Ave. & Race St.	-----	11/21/46	Day Labor	Signals	15,692	915	16,607
54-4TC47-P	Santa Clara	5	B, SJs	Intrs. of W. San Carlos St. with Meridian Rd.	-----	1/19/54	A. J. Raisch Paving Co.	Signals & Chnlz.	20,098	1,000	21,098
51-4TC3	Santa Clara	5	C	Bet. 3.7 Mi. N. of Santa Cruz Co. Line & 1.1 Mi. S. of Rte. 42 in Los Gatos	1.8	5/18/50	Guy F. Atkinson Co.	Gr. & P.M.S.	1,338,395	248,066	1,586,461
51-4TC34	Santa Clara	5, 42	LGts	At Main St. & Santa Cruz Ave.	-----	4/20/51	Howard Elc. Co.	Signals	10,231	1,484	11,715
53-4T18	Santa Clara	5, 115	SJs	At 21st St. & at 24th St.	-----	11/14/52	City of San Jose	Signals	5,141	----------	5,141
4T136	Santa Clara	22, 32	A, B	At Don Pacheco Wye	-----	9/21/50	Day Labor	Lights & Chnlz.	5,891	572	6,463
4T113	Santa Clara	32	A	At Furlong Cr.	-----	9/28/48	Day Labor	Detour	6,359	----------	6,359
0-14TC54	Santa Clara	32	A	Across Furlong Cr.	-----	9/29/48	Dan Caputo	R.C. Br.	6,709	1,376	8,085
53-4TC3	Santa Clara	32	A	Bet. Ferguson Rd. & 5 Mi. E. of Gilroy	2.0	4/ 1/52	Fredrickson & Watson Const. Co.	Gr,, P.M.S. on U.R.B. & Shldrs.	86,282	7,808	94,090
53-4T21	Santa Clara	32	A	At Miles 6.00 & 9.00	-----	12/11/52	Day Labor	Widen & Super-elevate Curves	5,985	213	6,198
54 14TC32	Santa Clara	32	B	At Cedar Cr. Abt. 19 Mi. E. of Gilroy	0.2	11/24/53	H. H. Anderson	Widen R.C. Br. & Apps.	40,008	4,000	44,008
4WC28	Santa Clara	32	C	Abt. 1.25 Mi. W. of Merced Co. Line	0.1	4/29/47	Granite Const. Co.	Gr. & B.S.T.	11,532	1,818	13,350
1-4TC94-F	Santa Clara	32	C	Bet. Cape Horn & Merced Co. Line	3.3	10/28/49	Eaton & Smith	Gr. & P.M.S. on C.T.B.	886,402	91,332	977,734

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-4TC93	Santa Clara	42	A	Bet. 0.3 Mi. S. & 1 Mi. S. of Saratoga Ave. in Saratoga	0.7	9/29/49	Dan Caputo & Ed Keeble	Gr. & P.M.S.	$70,044	$20,511	$90,555
53-4TC19	Santa Clara	42	A, LGts	Bet. Three Oaks Way near Saratoga & Main St. in Los Gatos	1.3	7/14/52	L. C. Smith Co.	P.M.S., U.R.B. & C.T.B.	103,174	27,633	130,807
54-4TC35	Santa Clara	42	A	1.2 Mi. W'ly. of Saratoga		10/9/53	O. C. Jones & Sons	Replace P.C.C. with Metal Retaining Wall & Shldrs.	17,076	2,000	19,076
54-4TC16-P	Santa Clara	68	A, B, SJs, C	Bet. Palo Alto & 3 Mi. S. of San Jose		10/10/50	L. H. Leonardi Elc. Const. Co.	Lights	10,080	1,698	11,778
52-4TC23	Santa Clara	68	A	At Intrs. of Bayshore Hwy. with Moffett Blvd. & at Moffett Field S. Gate (Por.)	0.2	12/28/51	J. C. Bateman, Inc.	Signals, Lights & Chnls.	42,446	7,646	50,092
53-4TC30-F	Santa Clara	68	A, P.A	Intrs. Bayshore Hwy. with San Antonio Rd. & with Middlefield Rd.		10/28/52	Howard Elc. Co.	Signals, Lights & Chnls.	23,691	3,685	27,376
53-4TC37-P	Santa Clara	68	A, P.A	Intrs. Bayshore Hwy. with Embarcadero Rd.		3/24/53	L. C. Smith Co.	Signals, Lights, Chnls.	37,973	4,700	42,673
4T62	Santa Clara	68	B, SJs	At McKee Rd.		4/17/47	Day Labor	Signals & Lights	7,183	339	7,522
4T96	Santa Clara	68	B	At Agnew Rd.		3/3/48	Day Labor	Signals & Lights	9,331	646	9,977
0-4TC62	Santa Clara	68	B, SJs	Bet. Gish Rd. & Rte. 5	0.5	6/18/48	Chas. L. Harney, Inc.	Resurf. with P.C.C.	69,516	6,123	75,639
1-4TTC13-P	Santa Clara	68	B, SJs	At N. 1st St.		3/29/50	Dan Caputo	Signals & Lights	28,805	3,560	32,365
51-4TC11	Santa Clara	68, 114	B, A	At Mathilda Ave.		8/14/50	L. C. Smith Co.	Signals, Lights & Chnls.	19,007	2,727	21,734
51-4TC22	Santa Clara	68	B	At 4th St. Extension		11/20/50	Edward Keeble	Signals, Lights & Chnls.	19,252	3,581	22,833
53-4TC9	Santa Clara	68	B	Intrs. Bayshore Hwy. with Brokaw Rd.		6/5/52	R. Goold & Son	Signals, Lights, & Chnls.	13,857	1,846	15,703
14TC2	Santa Clara	68	C	At Ford Rd. Abt. 6 Mi. S. of San Jose		12/17/45	Earl W. Heple	Stl. UC.	59,621	10,837	70,458
14TC3	Santa Clara	68	C	Across Coyote Cr. & at Coyote Rd., Abt. 6 Mi. S. of San Jose		12/4/45	Earl W. Heple	Stl. Br. & UC.	265,690	20,594	286,284
4TC20-F	Santa Clara	68	C	Bet. San Jose & 0.6 Mi. S. of Ford Rd.	8.1	12/20/45	N. M. Ball Sons	Gr. & P.C.C.	1,281,376	104,853	1,386,229
14TC11-F	Santa Clara	68, 2	SJs	On Bayshore Frwy. at Santa Clara St.	0.6	4/1/46	Fredrickson & Watson Const. Co.	P.C.C. & A.C. on C.R.B. & R.C. Sep. Struct. & Apps.	402,703	49,770	452,473
4T37	Santa Clara	68, 2	SJs	On Bayshore Frwy. at Santa Clara St.		7/6/46	Day Labor	Maintain Detour	7,280		7,280
4TC32	Santa Clara	68, 2	SJs	At Santa Clara St. UP.	0.5	2/6/47	Huettig & Schromm	Landscape	15,507	1,834	17,341
53-4TC11-P	Santa Clara	68	SJs, C	Bayshore Frwy. at Taylor St.-Mabury Rd., San Antonio St., Story Rd. & Tully Rd.		7/25/52	R. Flatland	Signals, Lights & Chnls.	62,263	7,500	69,763
52-4TC22	Santa Clara	69	A	Bet. 0.9 Mi. N. of Rte. 68 & 0.2 Mi. N. of Trimble Rd.	1.8	12/21/51	Fredrickson & Watson Const. Co. & M & K Corp.	Gr., P.C.C., P.M.S. & 3 R.C. Brs.	1,234,409	140,000	1,374,409

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-4TC45	Santa Clara	113	A	Bet. Rte. 2 & Rte. 68	2.5	6/26/53	Granite Const. Co.	Gr., C.T.B., P.M.S. & Widen R.C. Br.	$152,247	$20,000	$172,247
54-4TC26	Santa Clara	113	Alvs	Bet. S.C.L. & 0.3 Mi. N.	0.3	9/ 4/53	Donald Graves	P.M.S. on C.T.B.	21,447	3,311	24,758
1-4TTC14	Santa Clara	114	A	Sunnyvale-Saratoga Rd. at Stevens Cr. Rd.		5/10/50	Kurze Elcl. Works	Signals & Lights	9,914	2,275	12,189
51-4TC25	Santa Clara	114	Sun	At S.P.R.R. Crossing on Mathilda Ave.	0.1	1/11/51	Edward Keeble	Gr. & P.M.S.	34,778	3,954	38,732
54-4TC27	Santa Clara	114	Sun, A	On Mathilda Ave. Bet. S.P.R.R. Xing & Bayshore Hwy.	1.3	9/11/53	S.A.E. Co.	P.M.S.	17,875	2,500	20,375
4TT54	Santa Clara	115	A	At White Rd. & Alum Rock Ave.		12/30/48	Day Labor	Signals & Lights	5,993	340	6,333
51-14TC25-F	SCl, SBt	119	A, F	See San Benito County							
52-4DC2-P	SCl, SCr	FAS 616		See Santa Cruz County							
4DC3	Santa Clara	FAS 992		On Leavesley & Ferguson Rds.	4.5	9/20/46	Granite Const. Co.	Gr. & A.C.	162,073	20,138	182,211
4DC4	Santa Clara	FAS 1000		On Stevens Cr. Rd.	0.4	12/31/46	Dan Caputo & Edward Keeble	Gr., P.C.C. & Widen R.C. Br.	59,595	5,705	65,300
4DC8	Santa Clara	FAS 1000		On San Jose-Stevens Cr. Rd. Bet. Saratoga Ave. & Cupertino	3.5	8/29/47	A. J. Raisch Pav. Co.	Gr., P.M.S. & Widen 2 R.C. Brs.	192,285	23,500	215,785
52-4DC3	Santa Clara	FAS 1000		On San Jose-Stevens Cr. Rd., Bet. Bascom Ave. & Saratoga Ave.	2.2	8/27/51	A. J. Raisch Pav. Co.	Gr. & P.M.S. on I.B.M.	227,465	22,808	250,273
53-4DC4-P	Santa Clara	FAS 1000		Bet. Saratoga-Sunnyvale Rd. & Orange Ave. on San Jose-Stevens Cr. Rd.	1.2	9/29/52	Leo F. Piazza Paving Co.	Widen, I.B.M. & P.M.S.	130,924	25,170	156,094
4DC13	Santa Clara	FAS 1012		On Story Rd. Bet. McLaughlin & White Rd.	2.5	2/10/49	Leo F. Piazza	Gr. & P.M.S.	75,759	11,284	87,043
51-4DC5	Santa Clara	FAS 1016		Bet. Bayshore Hwy. & Gordon Ave.	3.1	6/22/51	Edward Keeble	Widen & P.M.S.	246,968	37,645	284,613
4DC5	Santa Clara	FAS 1159		On N. Fourth St. Bet. Rte. 68 & San Jose	1.2	3/11/47	Piazza & Huntley	Gr. & A.C.	60,535	5,961	66,496
	Santa Clara			Various Locations				Minor Contracts & D.L. Projects	95,991		95,991
51-4TMC19-P	Santa Cruz	5, 56	SCr	At Ocean & Water Sts.		12/20/50	Leo F. Piazza Pav. Co.	Signals & Chnlz.	12,951	895	13,846

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4T118	Santa Cruz	56	A, E, SCr	At Arana Gulch	-----	6/29/49	Day Labor	Gr. & Surface	$15,000	----------	$15,000
51-4TC6	Santa Cruz	56	B	Bet. 2.3 Mi. & 1.5 Mi. S. of Davenport	0.7	6/12/50	Elmer J. Warner	Gr. & P.M.S. on C.R.B.	103,172	$12,975	116,147
54-4TC11	Santa Cruz	56	B	Bet. 1 Mi. SE. & 0.6 Mi. NW. of Laguna Cr.	1.6	6/ 4/53	Edward Keeble	Gr., P.M.S. on U.R.B., R.C. Culv.	336,458	33,640	370,098
14WLC42	Santa Cruz	56	C	Across Waddell Cr.	0.3	9/16/46	Granite Const. Co.	R.C. Br. & Apps.	84,426	8,237	92,663
4WC30	SCr, S.M	56	C, A	Bet. Waddell Cr. & Finney Cr.	1.4	6/13/47	Eaton & Smith	Gr. & P.M.S.	444,314	51,325	495,639
4TC45-F	Santa Cruz	56	D, E, SCr	Bet. Rob Roy Jct. & Morrissey Ave.	7.7	10/16/47	Earl W. Heple	Gr. & 8 Stl. & Conc. Structs.	1,451,969	153,195	1,605,164
0-4TC47-F	Santa Cruz	56	D, E, SCr	Bet. Roy Roy Jct. & Morrissey Ave.	7.7	4/ 1/48	N. M. Ball Sons	Gr. & P.M.S. on C.R.B.	1,248,926	134,544	1,383,470
0-4TC71	Santa Cruz	56	D, E, SCr	Bet. Rob Roy Jct. & Morrissey Ave.	-----	9/17/48	Granite Const. Co.	Lights	23,071	2,327	25,398
51-4TC18	Santa Cruz	56	D, E, SCr	Bet. Rob Roy Jct. & Morrissey Ave.	7.6	10/10/50	Huettig, Schromm, & Bennett	Roadside Planting	16,022	4,162	20,184
54-4TC3	Santa Cruz	56	D	Bet. 1.5 Mi. N. of Watsonville & Rob Roy Jct.	5.7	4/ 1/53	Baun Const. Co.	Reconstruct Shldrs. & P.M.S.	147,113	16,100	163,213
4T128	Santa Cruz	56	E	S'ly. of Aptos Ave., Bet. Sta. 3+50 & 29+00	0.5	3/ 7/50	Day Labor	Outer Hwy.	15,000	----------	15,000
4T135	Santa Cruz	56	E, SCr	Bet. Rob Roy Jct. & Morrissey Ave.	-----	8/10/50	Day Labor	Riprap & Drains	8,859	----------	8,859
1-4TC100	Santa Cruz	56	SCr	Intrs. of Santa Cruz-Watsonville Frwy. with Morrissey Ave.-Pacheco Ave.	-----	1/26/50	L. H. Leonardi Elc. Const. Co.	Signals	9,272	1,275	10,547
53-14TC19-P	Santa Cruz	56	SCr	At Branciforte Cr.	0.1	8/25/52	Granite Const. Co.	Widen R.C. Br., U.R.B. & P.M.S. on Apps.	91,381	13,500	104,881
1-14TC78	SCr, Mon	56	Wat, J	See Monterey County							
0-14TC38	SCr, SBt	67	A, A	See San Benito County							
51-14TC7	Santa Cruz	116	A	Across San Lorenzo Riv.	-----	5/18/50	Huettig, Schromm, & Bennett	Repair 2 Brs. with Stl. & R.C.	11,879	1,901	13,780
53-14TC2	Santa Cruz	116	A	Across Fall Cr. Abt. 6.4 Mi. N. of Santa Cruz	-----	4/ 1/52	Chas. S. Moore & Robt. R. Murdoch	Repair Timber Br.	16,187	2,425	18,612
53-4TC6	Santa Cruz	116	A, B	Bet. Boulder Cr. & Waterman Gap	4.7	4/24/52	Granite Const. Co.	P.M.S.	276,991	26,489	303,480
53-4T16	Santa Cruz	116	A	In the vicinity of Mi. 3.00 Bet. Santa Cruz & Felton	-----	11/14/52	Day Labor	Retaining Wall	8,977	718	9,695
1-4TC89	Santa Cruz	116	B	At San Lorenzo Riv.	0.1	7/ 7/49	Granite Const. Co.	Gr., B.S.T. & MP. Culv.	27,393	4,881	32,274
51-4TC30	Santa Cruz	116	B	Abt. 0.5 Mi. N'ly. of Boulder Cr.	0.1	2/ 5/51	Granite Const. Co.	Gr. & Drainage	13,753	2,260	16,013

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-4DC2-P	SCr, SCl	FAS 616		On Summit Rd., Bet. St. Hwy Rte. 5 & Woodwardia	1.3	8/16/51	Granite Const. Co.	Gr., C.R.B. & Sl. Ct.	$111,892	$7,332	$119,224
14DC40	Santa Cruz	FAS 1145		Across Soquel Cr. in Town of Soquel	0.1	7/28/48	Granite Const. Co.	R.C. Br. & P.M.S. on Apps.	80,281	978	81,259
14DC20	Santa Cruz	FAS 1146		On Green Valley Rd. Bet. Freedom & Holohan Rd.	0.5	6/27/47	Granite Const. Co.	Gr., P.M.S. & R.C. Br.	62,641	5,988	68,629
52-4DC7	Santa Cruz	FAS 1146		On Watsonville-Santa Cruz Rd., Bet. Freedom & Watsonville	1.1	9/21/51	Granite Const. Co.	Gr., P.M.S. & Sl. Cts.	99,474	4,433	103,907
4DC15-P	Santa Cruz	FAS 1147		Bet. 0.5 Mi. S. of San Andreas School & Manresa Beach	2.3	5/10/50	Edward Keeble	Grade, C.R.B. & Pen. Tr.	50,679	3,647	54,326
53-4DC8	Santa Cruz	FAS 1147		San Andreas Rd., Bet. Monterey Bay Academy & Monresa Beach	2.3	3/24/53	Granite Const. Co.	P.M.S.	16,359	1,078	17,437
54-14DC3	Santa Cruz	FAS 1172		On Bear Cr. Rd. at Jct. of Rte. 116 near Boulder Cr.	0.1	9/22/53	Stolte, Inc.	Stl. & R.C. Br. & Apps.	56,807	1,000	57,807
	Santa Cruz			Various Locations				Minor Contracts & D.L. Projects	88,622		88,622
0-2TC25	Shasta	3	A	Bet. Cottonwood & Anderson	5.0	4/19/48	Fredrickson & Watson Const. Co.	Gr., P.M.S. on C.T.B. & R.C. Br.	639,654	42,890	682,544
1-2TC30	Shasta	3	A	Bet. Anderson & Clear Cr.	5.8	4/15/49	Fredrickson & Watson Const. Co.	Gr., P.M.S. on C.T.B., 2 R.C. Brs. & 1 Timber & Conc. Br.	790,965	97,916	888,881
0-2TC35-P	Shasta	3, 20 FAS 1074, 1076	A, Rdg, C, A, B	Bet. Redding & Fall Riv. Mills (Portions)	22.7	6/ 6/49	Morgan Const. Co.	Seal Coat	29,167	3,760	32,927
1-2TC40	Shasta	3	A, Rdg	Bet. Anderson & Redding	9.8	5/24/50	Fredrickson & Watson Const. Co.	Gr., P.M.S. on C.T.B., & Widen 3 Conc. & 1 Stl. Br.	610,235	81,675	691,910
52-2T19	Shasta	3	A	Intrs. Rte. 3 with Railroad Ave., S. of Redding		5/ 8/52	Day Labor	Improve Intrs.	7,948	1,087	9,035
53-2TC6	Shasta	3	A	Intrs. with North St. & South St. in Anderson		10/ 7/52	L. H. Leonardi Elc. Const. Co.	Lights	3,432	751	4,183

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14TC16	Shasta	3	B	At Churn Cr.	-----	8/17/46	O'Connor Bros.	Repair Br.	$2,502	$596	$3,098
53-2TC8-F	Shasta	3	B	Bet. Boulder Cr. & Project City	4.0	4/27/53	Fredrickson & Watson Const. Co.	Gr. & 2 R.C. Brs.	577,728	58,000	635,728
2T41	Shasta	3	C, D	Bet. O'Brien's Summit & Shasta Co. Line	1.3	4/17/47	Day Labor	Resurf. with P.M.S.	9,440	209	9,649
0-2TC33	Sha, Sis	3	C, D, A, Dmr, MSha	Bet. Crespo's & Spring Hill	35.1	6/ 1/49	McGillivray Const. Co.	Resurf. with P.M.S. & Sl. Ct.	453,945	32,727	486,672
52-2T13	Shasta	3	C, D	Bet. Volmer's & Mears Cr.	-----	8/23/51	Day Labor	Widen Roadbed	19,968	2,319	22,287
52-2T16	Shasta	3	D	S. of Castella	-----	3/ 5/52	Day Labor	Retaining Walls	18,593	738	19,331
53-2TC9	Shasta	3	D	Bet. Lamoine & Castle Crags Park (Por.)	1.1	5/18/53	Morgan Const. Co.	Widen, P.M.S. on U.R.B.	36,726	3,600	40,326
14TC28-P	Shasta	3, 20	Rdg, C	Bet. Rte. 3 in Redding & 1.5 Mi. E.	1.5	10/ 7/47	Fredrickson Bros.	Gr., P.M.S. & Stl. Br. Superstructure	647,183	37,097	684,280
53-2T16	Shasta	3	Rdg, B	At Sulphur Creek Hill	0.7	9/12/52	Day Labor	Const. Passing Lane	9,496	----------	9,496
51-2TC6	Sha, Sis, Plu	3, 21, 29	Var	Various Locations	51	5/31/50	Morgan Const. Co.	Seal Coat	64,657	6,332	70,989
2T43	Sha, Tri	20	A, B	See Trinity County							
2TC23-F	Shasta	20	A	Bet. Towerhouse & Schilling	5.3	12/17/47	Fredrickson Bros.	Gr. & P.M.S. on C.R.B.	617,044	52,927	669,971
2TC18-F	Shasta	20	B	Bet. Shasta & Schilling	4.6	8/29/46	Harms Bros. & N. M. Ball Sons	Gr. & P.M.S.	521,291	48,275	569,566
14WLC45	Shasta	20	C	Across Sacramento Riv. at Redding	-----	2/26/47	James I. Barnes Const. Co.	Substruct. for Stl. Br.	285,713	16,918	302,631
51-2TC3	Shasta	20	C	Across Oak Run Cr. Overflow Abt. 11.2 Mi. E. of Redding	-----	5/17/50	J. P. Brennan	R.C. Culv. & Apps.	9,628	2,506	12,134
53-2TC7	Shasta	20	D	At Shingle Cr. Abt. 25 Mi. E. of Redding	0.2	4/10/53	M. W. Brown	Gr. & P.M.S.	17,355	1,700	19,055
2T82	Shasta	20	E	Across Smith Ditch	-----	10/11/50	Day Labor	Replace Timber Br.	6,999	----------	6,999
54-2TC6	Shasta	20	Rdg	On Eureka Way Bet. Eleventh St. & Court St.	0.2	7/15/53	M. W. Brown	Widen & P.M.S. on U.R.B.	22,477	2,240	24,717
2TC29	Sha, Plu, Tri	21, 20	B, B, A	See Plumas County							

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
2TLC2	Shasta	28	A	At Seaman's Gulch, Abt. 1 Mi. W. of Ingot	0.8	11/20/45	A. A. Tieslau & Son	Gr., P.M.S. & R.C. Culv.	$123,801	$13,092	$136,893
54-14TC13	Shasta	28	A	At Churn Cr., Dry Cr. & Salt Cr. Bet. 3 & 12 Mi. NE. of Redding	-----	5/ 7/53	R. G. Clifford & C. O. Bodenhamer	Repair 3 Timber & Conc. Brs., Const. Apps.	40,442	4,000	44,442
2TC16	Shasta	28	B	Bet. 4.5 Mi. E. of Ingot & Montgomery Cr.	9.7	4/26/46	W. C. Railing	P.M.S.	71,959	4,392	76,251
0-2TC27	Sha, Sis	28, 72	C, A	Bet. Montgomery Cr. & 2.5 Mi. E. of Hillcrest & Bet. 3.4 Mi. S. of Cougar & Cougar	9.0	5/12/48	W. C. Railing	P.M.S. on C.T.B.	134,933	15,783	150,716
0-2TC36	Shasta	28	C	6 Mi. W. of Burney	1.0	6/28/49	W. B. Jones	Gr. & R.M.S.	35,665	3,472	39,137
51-2TC9	Shasta	28	C	At Hatchet Cr. Line Change	1.6	10/ 4/50	Eaton & Smith	Gr. & P.M.S.	355,912	41,732	397,644
53-2TC3	Shasta	28	C	Bet. Montgomery Cr. & 0.7 Mi. E. of Hatchet Cr.	3.4	5/29/52	Fredrickson & Watson Const. Co.	P.M.S. & Drainage	56,033	6,439	62,472
53-2TC4	Shasta	28	C	At Hatchet Cr. Abt. 40 Mi. E. of Redding	0.6	7/30/52	Fredrickson & Watson Const. Co.	Widen, C.T.B. & P.M.S.	30,562	3,407	33,969
53-14TC11	Shasta	28	C	Across Montgomery Cr. Abt. 32 Mi. NE. of Redding	0.4	6/ 9/52	B. S. McElderry	R.C. Br. & Apps.	98,411	13,824	112,235
1-14TC73	Shasta	28	D	Across Burney Cr. in Burney	-----	7/20/49	Metzger Co.	2 R.C. Brs. & R.C. Culv. & Apps.	96,884	11,184	108,068
2TC8	Sha, Las	28	E, A, B	Bet. Fall Riv. Mills & 8.3 Mi. E. of Bieber	30.2	5/ 8/45	M. J. Ruddy & Son	Repair with P.M. B.M., C.T.B. & Sl. Ct.	203,243	28,357	231,600
2DC3	Shasta	FAS 1072	----------	Bet. Cottonwood & Anderson	10.8	6/ 8/46	Oilfields Trucking Co. & Phoenix Const. Co.	Gr. & P.M.S.	235,822	20,148	255,970
1-14DC72	Shasta	FAS 1074	----------	Across Sacramento Riv., 1.5 Mi. N. of Anderson	-----	6/13/50	M. A. Jenkins & R. E. Hertel	Stl. & R.C. Br.	283,222	1,414	284,636
2DC8	Shasta	FAS 1076	----------	Bet. Fall Riv. Mills & Dana	5.5	4/29/48	W. C. Railing	Gr., C.R.B. on I.B. & Sl. Ct.	183,052	21,254	204,306
----------	Shasta	-------	----------	Various Locations	-----	----------	----------	Minor Contracts & D.L. Projects	76,116	----------	76,116

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
1-3TC67	Sie, Yub	25	A, A	See Yuba County							
52-3TC7	Sierra	25	A	Bet. 1.4 Mi. E. Yuba Co. Line & 1.5 Mi. W. of N. Yuba Riv.	0.8	5/28/51	Richter Bros.	Gr., B.S.T., & R.C. Br.	$351,241	$28,802	$380,043
51-3BC2	Sierra	25	A, B	Bet. 6.3 Mi. E. of N. Yuba Riv. Br. & 4.5 Mi. W. of Sierra City (Pors.)	1.9	6/30/51	J. Henry Harris	Gr. & Pen. Tr.	214,528		214,528
51-14BC2	Sierra	25	B	Across Salmon Cr., 3.8 Mi. N. of Sierra City		6/21/51	Lefever & Bing	Repair R.C. Br.	24,605	3,000	27,605
53-2T15	Sie, Las	29	A, E	See Lassen County							
3DC9	Sierra	FAS 524		Bet. Sierraville & 5.6 Mi. N'ly.	5.6	7/13/48	Nevada Constructors, Inc.	Gr. & R.M.S.	110,516	16,666	127,182
52-3DC7	Sierra	FAS 524		Bet. 5.2 & 0.5 Mi. W. of Loyalton (Por.)	3.4	8/16/51	Joe Chevreaux	Gr. & Pen. Tr. on I.B.M.	81,900	11,596	93,496
53-3DC1	Sierra	FAS 524		Bet. 6.9 Mi. & 5.2 Mi. W. of Loyalton	1.8	7/11/52	Harms Bros.	Gr., I.B.M. & Pen. Tr.	58,089	5,418	63,507
	Sierra			Various Locations				Minor Contracts & D.L. Projects	3,386		3,386
2TC17	Siskiyou	3	A	At N. Entrance to Dunsmuir		4/25/46	M. W. Brown	Correct Drainage	9,274	1,829	11,103
0-2TC23	Sis, Sha	3	A, Dmr, MSha	See Shasta County							
1-2TC32	Siskiyou	3	A	Bet. Spring Hill & Weed	4.4	4/15/49	Harms Bros. & F. Fredenburg	Gr. & Stl. OH.	381,003	32,844	413,847
51-2TC2-F	Siskiyou	3	A	Bet. Spring Hill & Weed	8.0	4/12/50	Rand Const. Co. Inc.	Gr. & P.M.S.	503,906	85,253	589,159
52-2T14	Siskiyou	3	A	Bet. Mt. Shasta & Weed		10/ 8/51	Day Labor	R/W Fence & Barriers	5,677		5,677
2TC15	Siskiyou	3	B	Bet. Weed & Yreka (Pors.)	20.4	4/ 3/46	Clements & Co. & Milo A. Browne	Repair with I.B.M. & P.M.S.	183,259	16,424	199,683
0-2TC28	Siskiyou	3	B	Bet. Gazelle & 5.5 Mi. N'ly.	5.5	6/18/48	Clements & Co.	P.M.S. on C.T.B.	142,325	12,979	155,304
2T45	Siskiyou	3	C	Bet. Bailey Hill & State Line	1.6	5/12/47	Day Labor	P.M.S.	29,996	1,026	31,022
14TC22-F	Siskiyou	3	C	Across Cottonwood Cr. & under S.P. R.R. Tracks Abt. 2 & 5.5 Mi. N. of Hornbrook		5/16/47	Ted F. Baun	R.C. Br. & R.C. UP.	348,820	30,065	378,885
2TC22-F	Siskiyou	3	C	Bet. Camp Lowe & Bailey Hill	7.8	9/17/47	Fredrickson & Watson Const. Co.	Gr.	709,109	71,200	788,309
1-2TC31-F	Siskiyou	3	C	Bet. Camp Lowe & Bailey Hill	7.8	4/ 1/49	A. Teichert & Son, Inc.	P.M.S. on C.R.B. & I.B.M.	308,886	38,130	347,016
2TC14	Siskiyou	3	Yre, C	Bet. Yreka & Camp Lowe	13.3	3/25/46	Clements & Co.	Repair with C.R.B., P.M.S. & Sl. Ct.	178,838	12,707	191,545

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
51-2TC6	Sis, Sha, Plu	3, 21, 29	Var	See Shasta County							
2WL19	Siskiyou	46	A	Across Davis Mine Cut, Br. No. 2-60	-----	4/28/44	Day Labor	R.C. Culv.	$8,165	$1,380	$9,545
2WL20	Siskiyou	46	A	Across Mine Spillway, Br. No. 2-61	-----	4/28/44	Day Labor	R.C. Box Culv.	6,800	1,193	7,993
2WL21	Siskiyou	46	A	Across Steep Cr., Br. No. 2-62	-----	4/28/44	Day Labor	R.C. Box Culv.	12,237	1,184	13,421
2WL22	Siskiyou	46	A	Across Curley Jack Cr., Br. No. 2-59	-----	4/28/44	Day Labor	R.C. Box Culv.	9,923	1,938	11,861
1-14TC59	Siskiyou	46	A	Across Dillon Cr.	0.3	4/ 1/49	G. M. Carr & Bati Rocca	Stl. Br. & Apps.	168,336	21,631	189,967
1-14TC67	Siskiyou	46	A	Across Clear Cr.	-----	5/21/49	G. M. Carr & Bati Rocca	Conc. Br. & Apps.	134,748	14,914	149,662
53-14TC6	Siskiyou	46	A	Across Oak Flat Cr., 6.9 Mi. W. of Happy Camp	-----	4/24/52	A. A. Edmondson	R.C. Br.	33,746	4,512	38,258
2W10	Siskiyou	46	B	Bet. Happy Camp & Thompson Cr. (Portions)	11.8	4/27/45	Day Labor	Gr., Surf. & Drainage	59,990	975	60,965
2WC10	Siskiyou	46	B, C	Bet. Thompson Cr. & 4 Mi. E. of Seiad	11.9	7/15/47	W. C. Railing	R.M.S.	59,260	6,278	65,538
2T75	Siskiyou	46	B	Bet. Happy Camp & Cade Mtn. (Pors.)	4.2	5/ 2/49	Day Labor	Widen & Surf.	12,486	----------	12,486
2T80	Siskiyou	46	B	Bet. Mi. 6.68 & Mi. 10.35, E. of Happy Camp	3.7	7/17/50	Day Labor	Widen, Prime & Sl. Ct.	23,741	----------	23,741
2T81	Siskiyou	46	B	Near Happy Camp	-----	9/13/50	Day Labor	Gr., Pen. Tr. & Sl. Ct.	6,759	171	6,930
52-14TC2	Siskiyou	46	B	Across Thompson Cr.	-----	6/15/51	E. H. Peterson & Son	R.C. Br. & Apps.	42,005	8,109	50,114
54-14TC22	Siskiyou	46	B	At Seiad Cr., Abt. 6.2 Mi. NE. of Humboldt Co. Line	-----	7/31/53	James B. Allen	R.C. Br. & Apps.	76,839	7,680	84,519
2T78	Siskiyou	46	C	Across Scott Riv.	-----	6/29/49	Day Labor	Repair Br.	12,791	----------	12,791
52-2T20	Siskiyou	46	C, D	Bet. Horse Cr. & Walker Br.	7.0	5/29/52	Day Labor	R/W Fencing	25,482	----------	25,482
2W12	Siskiyou	46	D	Bet. Walker Br. & Rte. 3	19.6	12/28/45	Day Labor	Widen & Restore Surf.	79,922	4,295	84,217
53-2T18	Siskiyou	46	D	Bet. Walker & Rte. 3 (Pors.)	-----	3/18/53	Day Labor	Drainage	15,999	----------	15,999
0-2TC27	Sis, Sha	72, 28	C, A	See Shasta County							
53-2T12	Siskiyou	72	C	Bet. Dorris & Oregon State Line	3.0	6/24/52	Day Labor	Surface	30,548	----------	30,548
2WC9	Siskiyou	82	D	Bet. Fort Jones & 2.2 Mi. E. of Moffett Cr.	7.5	6/ 5/47	Sheldon Oil Co.	P.M.S. & Shldrs.	49,770	4,507	54,277
54-2TC1-FP	Siskiyou	82	D	Bet. 1 Mi. W. & 1 Mi. E. of Forest Mtn. Summit	1.6	4/ 1/53	Eaton & Smith	Gr., R.M.S. on C.T.B.	367,530	36,750	404,280
53-2TC5-FP	Siskiyou	82	Yre, E, Mntg	Bet. Yreka & Montague	5.9	9/ 2/52	Harms Bros.	Gr., I.B.M., C.T.B., R.M.S. & R.C. Br.	251,184	26,300	277,484
53-2T13	Siskiyou	83	B	Bet. Grizzly Peak & McCloud	12.5	6/24/52	Day Labor	Surface	65,343	16	65,359

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
2DC5-P	Sis, Mod	210, FAS 753	A, B	See Modoc County							
2DC1	Siskiyou	FAS 753-A		Bet. Rte. 72, 3 Mi. N. of Dorris, & 4 Mi. W. of Hatfield	15.6	5/29/46	Utah Const. Co.	Gr., Gravel & Cement Base	$540,005	$43,078	$583,083
53-2DC2	Siskiyou	FAS 1166		Bet. 7.2 Mi, E. of Grenada & State Rte. 72	10.9	6/18/53	Clements Const. Co.	P.M.S.	155,319	7,000	162,319
	Siskiyou			Various Locations				Minor Contracts & D.L. Projects	69,480		69,480
10T36	Solano	7	B	Bet. Rockville Rd. & Co. Hospital	4.0	10/29/46	Day Labor	Surf. Shldrs.	17,764	887	18,651
0-10TC35-F	Solano	7	B, C	Bet. Ledgewood Cr. & 3.5 Mi. E. of Fairfield	4.7	7/20/48	Parish Bros.	Gr., P.C.C. & 2 R.C. Brs.	1,222,727	61,201	1,283,928
0-10TC39	Solano	7	B, C	Near Fairfield		9/27/48	L. H. Leonardi Elc. Const. Co.	Signals & Lights	20,117	1,949	22,116
52-10TC6	Solano	7	B, C	Bet. Ledgewood Cr. & Alamo Cr.	8.1	7/28/51	Huettig-Schromm & Bennett	Protective Screening	12,800	2,656	15,456
52-10TC13	Solano	7	B	1 Mi. N. of Cordelia UP.		11/13/51	Baldwin, Straub Corp.	Truck Scales, Signals & Lights	28,502	939	29,441
10TC18	Solano	7, 90	C, Vac	Bet. Fairfield & 3.5 Mi. N. & in Vacaville	4.8	5/13/47	Frederickson Bros.	P.M.S.	44,697	2,879	47,576
10TC34	Solano	7	C	Bet. E. of Fairfield & E. of Alamo Cr.	4.3	6/24/48	Harms Bros.	Gr., P.C.C. & R.C. Br.	824,915	60,902	885,817
51-10TC15-F	Solano	7	C, Vac, D	Bet. Alamo Cr. & Ulatis Cr.	1.7	12/26/50	Frederickson Bros.	Gr., P.C.C. on C.T.S., P.M.S. on U.R.B., Stl. OH. & Stl. Br.	794,975	73,271	868,246
52-10TC12	Solano	7	C, Vac, D	At W. & E. Entrances to Vacaville, at Davis St. & at Mason St. OH.		10/30/51	L. H. Leonardi Elc. Const. Co.	Lights	15,520	815	16,335
10TC9	Solano	7	D, I	Bet. Midway & 1.3 Mi. N. of Dixon	6.1	1/17/46	Frederickson Bros.	Gr., P.C.C. & Con. Brs.	1,078,243	55,355	1,133,598
1-10TC48	Sol, Yol	7, 6	D, I, A, E, A	Bet. E. of Ulatis Cr. & W. of Yolo Causeway		5/12/49	Harms Bros.	Widen Crossovers, curbs & barriers	66,858	3,359	70,217
51-10TC4	Solano	7	D	Bet. Jct. of Co. Rd. to Vacaville & 2.5 Mi. N.	2.4	4/11/50	Frederickson Bros.	Widen & P.M.S.	75,318	7,368	82,686
53-10TC1	Solano	7	D	Bet. 2.5 Mi. N. of Vacaville & Midway	2.5	4/ 1/52	A. Teichert & Son, Inc.	Gr. & P.M.S. on U.R.B.	125,956	14,072	140,028
54-10TC12	Solano	7	D	Bet. 0.7 Mi. & 0.9 Mi. E. of Ulatis Cr.-Frontage Rd.	0.2	10/22/53	Frederickson Bros.	Gr., P.M.S. on I.S.M.	18,937	750	19,687
14TC13	Sol, Yol	7	E, A	Across Putah Cr., Abt. 6 Mi. N. of Dixon		7/30/46	M. A. Jenkins	Repair Conc. Br.	9,469	1,896	11,365
51-14TC15	Sol, Yol	7	E, A	Across Putah Cr.		8/22/50	Ben C. Gerwick, Inc.	Repair Conc. Br.	10,890	1,353	12,243
53-10TC8	Solano	7	E	Bet. Frese Cor. & Putah Cr. Br.	2.6	8/ 6/52	Frederickson Bros.	P.M.S.	38,993	6,845	45,838

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
COFC-4	Sol, C.C.	7	F, A	See Contra Costa County							
COF-8	Sol, C.C.	7	F, A	See Contra Costa County							
10TC27-F	Solano	7, 74	F, G, D	Bet. Vallejo Wye & 0.5 Mi. N. of Rte. 208	5.6	2/16/48	Parish Bros.	Gr., P.C.C., P.M.S. & Gr. Sep.	$1,169,866	$103,706	$1,273,572
10T74	Solano	7, 74	F, G, D	Bet. Vallejo Wye & 0.5 Mi. N. of Rte. 208	5.6	5/17/49	Day Labor	Signs & Stripe	7,204	----------	7,204
0-10TC50	Solano	7	F, G	Near Vallejo	-----	6/14/49	Tri-Cities Elcl. Serv., Inc.	Signals & Lights	49,453	1,608	51,061
52-10TC15-P	Solano	7	F, Fal	At Intrs. State Rte. 7 with Magazine St.	-----	1/22/52	R. Flatland	Signals, Lights & Chnlz.	23,912	2,983	26,895
53-10TC3	Solano	7	F	Bet. Carquinez Br. & Vallejo Wye	0.8	5/15/52	Parish Bros.	Base & P.M.S.	82,348	10,014	92,362
53-10T12	Solano	7, 208	G, B	At the Jct. of Rtes. 7 & 208	-----	9/16/52	Day Labor	Widen Intrs. & Improve Superelevation	9,721	----------	9,721
53-10TC7	Sol, Nap	7	G, H, A	Bet. 0.7 Mi. E. of Rte. 208 & Cordelia UP.	5.5	7/23/52	Peter Kiewit Sons' Co.	C.T.B. & P.M.S.	339,249	38,000	377,249
1-10TC36-F	Sol, Nap	7	H, A	See Napa County							
1-10TC53-F	Sol, Nap	7	H, A	See Napa County							
1-10TC62-F	Solano	7, 8	H, B, A	Bet. Cordelia UP. & Ledgewood Cr.	6.0	6/14/50	Parish Bros.	Gr., P.C.C., P.M.S. & 3 R.C. Brs. Stl. UP. & Stl. Sep.	1,272,094	148,785	1,420,879
52-10TC8	Solano	7, 8	H, B; A	Bet. Cordelia UP, & Ledgewood Cr.	-----	9/14/51	Underground Elc. Const. Co.	Lights & Signs	23,234	1,269	24,503
53-10TC10	Solano	7, 8	H, B; A	Bet. Cordelia UP. & Ledgewood Cr.	5.3	9/29/52	Justice-Dunn Co.	Protective Screen Planting	9,833	2,482	12,315
54-10TC15	Solano	7	H	3 Mi. W. of Cordelia UP. & 2.4 Mi. W. of Cordelia UP.	-----	10/22/53	Wulfert Co.	M.P. Guard Railing	9,150	1,200	10,350
52-10T12	Solano	7, 8	H, B, A	Bet. Cordelia UP. & Ledgewood Cr.	-----	6/ 4/52	Day Labor	Signs & Stripes	5,162	----------	5,162
10T73	Solano	7, 6	I, A	At the Milk Farm & at Freese Corner	-----	3/23/49	Day Labor	Chanlz.	9,198	894	10,092
10TC21	Solano	7	Frfd	Bet. Madison St. & Union Ave.	-----	6/ 7/47	Ed. Pierce Elc. Co.	Signals	8,908	964	9,872
10TC8	Solano	7	Vac, D	Bet. Ulatis Cr. & Midway	6.0	12/ 6/45	Fredrickson Bros.	Gr., P.C.C. & Conc. Brs.	561,205	45,796	607,001
10W40	Solano	53	A, B	Bet. Suisun & Rio Vista	-----	8/ 7/46	Day Labor	Repair War Damage	60,162	2,899	63,061
14WLC47	Sol, Sac	53	C, A	Across Sacramento Riv. at Rio Vista	-----	4/22/47	C. M. Allen	Repair Stl. Truss Br.	9,296	1,084	10,380
52-10TC2	Solano	74	A	At Nebraska St.	-----	6/ 5/51	L. H. Leonardi Elc. Const. Co.	Signals & Lights	6,014	489	6,503
54-10TC11	Solano	74	B, Ben	Bet. Vallejo & Benicia (Pors.)	0.5	11/30/53	O. C. Jones & Sons	Gr., Filter Material, U.R.S. & Sl. Ct. on Shldrs.	9,649	1,000	10,649
10W42	Solano	74	C	Bet. Benicia Arsenal Grounds & Cordelia	8.7	8/19/46	Day Labor	Resurf.	41,570	2,136	43,706

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10TT79	Solano	74	Val	At 4th St. & Lemon St.		3/14/50	Day Labor	Signals & Lights	$5,012		$5,012
10W39	Solano	90	A	Bet. Allendale & Putah Cr. (Pors.)	4.7	7/24/46	Day Labor	Resurf.	15,983	$791	16,774
10W46	Solano	90	A	Bet. Allendale Jct. & Winters		10/18/46	Day Labor	Repair Shldrs.	4,989	270	5,259
10WC14	Solano	90	A	Bet. Rte. 7 & 0.5 Mi. N. of Sweeney Cr.	5.7	9/16/46	Frederickson Bros.	Gr., P.C.C. & 5 R.C. Brs.	541,151	42,540	583,691
14WLC54	Solano	99	A	Across Miner Slough		6/ 5/47	C. M. Allen	Widen Stl. Truss Br.	4,857	155	5,012
14TC26	Solano	99, 100	A, A	At Cache Slough & Steamboat Slough Ferries		9/30/47	C. M. Allen	Extend 3 Ferry Ramps	7,337	1,160	8,497
10T82	Solano	99	A	At Cache Slough		5/10/51	Day Labor	Repair Ferry	6,330		6,330
53-14TC29	Solano	99	A	Across Miner Slough Abt. 12 Mi. N. of Rio Vista		10/22/52	M. A. Jenkins	Repair Br. Swing Span & Timber Trestle App. Spans	56,502	6,595	63,097
14T2	Solano	99	A	At E. Landing of Cache Slough Ferry		3/28/51	Day Labor	Ramp	20,319		20,319
14WC4	Solano	100	A	Ferry moored on Sacramento Riv. Abt. 0.5 Mi. upstream from Rio Vista		2/27/46	Colberg Boat Works	Repair Ferry	6,999	649	7,648
10T78	Solano	101	A	Across S. Fk. of Lindsey Slough		4/ 6/50	Day Labor	Replace Br. with C.M.P. Culv.	5,444	638	6,082
14WC5	Solano	208	A	Across Napa Riv. at W.C.L. of Vallejo		3/ 1/46	Healy Tibbits Const. Co.	Repair Br. Fender	14,251	1,755	16,006
14WLC39	Sol, Son	208	A, A	See Sonoma County							
0-14TC48	Solano	208	A	Across Napa Riv.		6/23/48	H. F. Lauritzen	Repair Stl. Truss Br.	5,704	453	6,157
1-14TC83	Solano	208	A	At Napa Riv. Br. near Vallejo		12/ 2/49	Crabble Elc.	Emergency Generator Set	7,116	609	7,725
51-14TC2	Solano	208	A	Across Napa Riv. at W.C.L. of Vallejo		4/ 1/50	Payne Const. Co.	Repair Stl. Truss Br.	19,108	1,608	20,716
54-14TC10	Solano	208	A	Across Napa Riv.		4/15/53	Al Erickson & Co.	Redeck 12 Timber Br. App. Spans	48,518	4,850	53,368
51-14TC3	Solano	208	B	Across White Slough, 1.2 Mi. E. of Napa Riv. Br.		4/ 1/50	Lew Jones Const. Co.	R.C. Br.	60,100	4,766	64,866
10ANC12	Solano	Access	Val	On Waterfront Rd. Bet. Virginia St. & Santa Clara St.	0.3	2/ 4/46	C.M. Syar	Gr. & A.C.	31,421		31,421
52-10DC7-P	Solano	FAS 1101		On Broadway, Bet. Nebraska St. & 1.2 Mi. N.	1.2	10/19/51	A. G. Raisch Co.	Gr. & P.M.S. on U.R.B.	220,493	27,446	247,939
14DC8	Solano	FAS 1106 1108 1110		Across Pleasants Cr., Alamo Cr., & Tributary to Putah Cr.		4/ 4/47	G. M. Carr & Bati Rocca	5 R.C. Brs.	82,713	4,329	87,042

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10DC16	Solano	FAS 1107 1108		Bet. Vanden & Vacaville & Bet. Vacaville & Elmira	2.4	7/ 6/50	Frederickson Bros.	Gr., P.M.S. on I.B.M. & U.R.B. & Seal Coat	$74,512	$1,253	$75,765
14DC44	Solano	FAS 1108		Across Alamo Cr.		10/ 6/48	Wm. E. Thomas Const. Co.	R.C. Structures	16,323	2,093	18,416
	Solano			Various Locations				Minor Contrs. & D.L. Projs.	65,981		65,981
4TC63	Sonoma	1	A	Near Cloverdale		6/28/48	Stolte, Inc., & The Duncanson-Harrelson Co.	Truck Scales	24,917	1,085	26,002
1-4TC85	Sonoma	1	A	Bet. Cloverdale & Healdsburg	4.8	5/19/49	A. G. Raisch Co.	Gr. & P.M.S.	154,456	14,564	169,020
4T129	Sonoma	1	A, B	Bet. Cloverdale & 2 Mi. N. of Santa Rosa (Pors.)	10.6	3/ 7/50	Day Labor	Subseal	44,778		44,778
51-4TC5	Sonoma	1	A	Bet. Cloverdale & Healdsburg	4.9	6/ 8/50	J. R. Armstrong	Gr. & P.M.S.	159,653	24,508	184,161
4T144	Son, C.C	1, 104, 75	A, B, C, WlC, B	Bet. Cloverdale & Santa Rosa, Sebastopol & Cotati, & Walnut Cr. & Concord (Por.)	13.3	1/ 5/51	Day Labor	Subseal	52,976		52,976
52-4TC9	Sonoma	1	A, B	Bet. Cloverdale & Santa Rosa	8.9	7/27/51	J. R. Armstrong	Gr. & P.M.S.	290,996	36,922	327,918
54-4TC4	Sonoma	1, 51	A, C	Bet. 0.6 Mi. S. of Venezia & 0.2 Mi. S. of Lytton OH. & Bet. Stony Point Rd. & 0.1 Mi. W. of Northwestern Pac. R.R.	2.6	4/27/53	Arthur B. Siri, Inc.	Widen, P.M.S. & Repair R.C. Br.	125,417	13,000	138,417
53-4T27	Son, Nap, C.C	1, 49, 75	A, B, H	In the vicinity of Lytton OH.; Bet. Oakville & Rutherford & Bet. 1.0 Mi. S. of Pacheco & Martinez	8.5	1/13/53	Day Labor	Subsealing	24,672		24,672
4T60	Sonoma	1	B	Bet. Healdsburg & Santa Rosa	1.7	3/31/47	Day Labor	Resurf.	29,271	156	29,427
0-4TC56-F	Sonoma	1	B, E, SRo, C	Bet. 2 Mi. N. & 0.7 Mi. S. of Santa Rosa	4.3	5/20/48	Stolte, Inc., & The Duncanson-Harrelson Co.	Gr., P.C.C. on C.T.S., R.C. Br. & R.C. Ped. UC.	1,368,402	109,900	1,478,302
51-4TC7	Sonoma	1, 51	B, Son	Bet. Healdsburg & Santa Rosa & at Sonoma	6.4	7/ 6/50	A. G. Raisch Co.	Gr. & P.M.S. on B.S.T. & I.B.M.	154,484	19,022	173,506
4TC21-F	Son, Mrn	1	C, A	Bet. 1 Mi. S. of Petaluma & Ignacio Wye	11.9	1/17/46	A. G. Raisch Co. & Harms Bros.	Gr., P.C.C., A.C. & 2 R.C. Brs.	1,643,187	156,847	1,800,034

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4TC34	Sonoma	1	C	Bet. 3 Mi. N. & 1 Mi. S. of Petaluma	4.0	4/23/47	A. G. Raisch Co.	Resurf. with A.C. & C.R.B. Shldrs.	$86,029	$6,352	$92,381
54-4TC25	Sonoma	1, 104	C, C	Intrs. of Redwood Hwy. & Gravenstein Hwy. near Cotati		9/11/53	I. J. Ely Co.	Lights & Chnlz.	18,931	2,500	21,431
54-4TC38	Son, Mrn	1	C, A	See Marin County							
0-4TC69	Sonoma	1	E, SRo	Thru Santa Rosa		8/10/48	H. S. Tittle Co.	Signals & Lights	37,013	3,730	40,743
1-4TC91	Sonoma	1	E, SRo	Bet. Steele Lane & Baker Rd.	2.8	8/ 5/49	Stephen L. Vistica	Landscape	34,540	6,429	40,969
4T122	Sonoma	1	E, SRo, B	Bet. 0.3 Mi. S. & 1.7 Mi. N. of Santa Rosa		10/18/49	Day Labor	Revise Signals	24,467		24,467
51-4TC37	Sonoma	1	E, SRo	Bet. Steele Lane & Barham Ave.		6/28/51	Karl F. Stolting	Signals & Lights	14,616	3,448	18,064
53-4TC40-F	Sonoma	1	F	Bet. 0.4 Mi. N. of Petaluma Cr. & Petaluma Cr.	0.3	4/17/53	Ball & Simpson	Gr. & I.B.	344,484	50,000	394,484
52-4TC6-P	Sonoma	1	Hlbg	At North St. & at Matheson St.		6/20/51	L. H. Leonardi Elc. Const. Co.	Signals	9,471	1,106	10,577
4T46	Sonoma	1	SRo	At College Ave. & 5th St.		11/ 1/46	Day Labor	Purchase Signals	8,038	597	8,635
54-4TC51	Son, C.C, Ala	1, 75, 107	Var	Various Locations		2/26/54	I. J. Ely Co.	Asphalt Subsealing	50,439	6,500	56,939
1-4TC92	Sonoma	8	A	Bet. Petaluma Cr. & Tolay Cr.	3.9	9/15/49	Piombo Const. Co.	Gr. & P.M.S. on C.T.B.	607,792	80,245	688,037
4T140	Sonoma	8	A	Bet. Petaluma Cr. & Tolay Cr.	3.9	3/11/52	Day Labor	Horizontal Drains	27,321		27,321
4T125	Sonoma	8	B	15 Mi. E. of Marin-Sonoma Co. Line		12/14/49	Day Labor	Retaining Wall	11,298	263	11,561
51-14TC17	Sonoma	51	A	Bet. Santa Rosa & Kenwood		10/11/50	R. G. Clifford & C. O. Bodenhamer	Widen 3 Conc. Brs. & Apps.	80,372	9,991	90,363
0-4TC75	Sonoma	51	C	Across Purple Draw & Laguna De Santa Rosa	0.3	3/15/49	A. G. Raisch Co.	Widen Conc. Br. & Culv. & Apps.	57,528	8,250	65,778
52-4TC13	Sonoma	51, 104	C, SRo, A; C	Bet. Purple Draw & 0.9 Mi. E. of Santa Rosa & Bet. Cotati & Sebastopol (Por.)	4.9	8/30/51	Arthur B. Siri, Inc. & E. A. Forde	Gr., P.M.S., C.T.B. & C.R.B.	230,902	28,341	259,243
52-4TC25-P	Sonoma	51, 104; 1, 104	Seb, C, C	At Intrs. Main St. with Santa Rosa Ave.-Bodega Ave. in Sebastopol & Redwood Hwy. with Gravenstein Hwy.		1/21/52	J. Henry Harris	Signals, Lights & Chnlz.	13,097	4,507	17,604

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
4T112	Sonoma	56	C, D, E	Bet. Jenner & Gualala Riv.	2.4	9/10/48	Day Labor	Gr. & Surf.	$49,997	$1,977	$51,974
51-4TC15	Sonoma	56	C, D, E	Bet. Jenner & Mendocino Co. Line	1.0	10/11/50	Huntington Bros.	Gr. & B.S.T. on I.B.M.	122,755	16,679	139,434
53-4TC10	Sonoma	56	C	Near Honeycomb Gulch Abt. 7 Mi. N. of Jenner	0.4	6/ 9/52	Huntington Bros.	Gr., I.S.M., I.B.M. & R.M.S.	99,493	8,282	107,775
54-4TC44	Sonoma	56	C, D, E	Bet. Jenner & 4.5 Mi. S. of Gualala at 23 Locations		11/25/53	Huntington Bros.	Replace Drainage Facilities	19,684	3,000	22,684
54-4TC28	Sonoma	56	D	At Stockoff Cr. Abt. 4.5 Mi. N. of Fort Ross		9/11/53	James H. McFarland	R.C. Culv.	24,349	3,000	27,349
4W30	Sonoma	56	E	At Various Locations		8/13/46	Day Labor	Improve Drainage	6,323		6,323
52-4TC8	Sonoma	56	E	Bet. Stewart's Point & Gualala	2.7	6/29/51	Huntington Bros.	Gr. & B.S.T.	100,537	8,397	108,934
54-4TC13	Sonoma	56	E	Bet. 7.5 Mi. N. of Stewart's Point & Gualala	3.0	6/12/53	Arthur B. Siri, Inc.	Widen, R.M.S. on U.R.B., & Sl. Ct.	68,781	7,419	76,200
54-4TC29	Sonoma	103	A	Bet. 0.4 Mi. N. of Alexander Valley Store & 2.9 Mi. N. of Maacama Cr.		9/17/53	Arthur B. Siri, Inc.	Reconstruct Shldrs. & Drainage Facilities	14,159	2,471	16,630
52-4TC4	Sonoma	104	A	Across Sheephouse Cr.		6/ 4/51	Wheeler Const. Co.	R.C. Culv. & Apps.	24,958	2,768	27,726
52-4TC28	Sonoma	104	A	Bet. ¼ Mi. W. of Monte Rio & Northwood	0.8	3/ 7/52	Eaton & Smith	Gr. & P.M.S. on I.B.M.	108,972	18,636	127,608
54-4TC6	Sonoma	104	A	Bet. 1.0 Mi. NW. of Monte Rio & Monte Rio (Por.)	0.5	6/ 3/53	Eaton & Smith	Gr., P.M.S. on I.B.M.	80,881	14,569	95,450
53-14TC26	Son, Hum	104, 1	B, E	See Humboldt County							
54-4TC1	Sonoma	104	C	Bet. 1.1 Mi. W. of Gossage Cr. & Gossage Cr.	1.1	4/ 1/53	Arthur B. Siri, Inc.	Gr., P.M.S. on I.B.M.	134,552	20,702	155,254
54-14TC37	Sonoma	104	D	Bet. 3 & 5 Mi. E. of Petaluma at Adobe Cr., Ellis Cr. & Stage Gulch Cr.		1/15/54	James H. McFarland	Reconst. 3 Br. with Rein. Conc.	23,576	2,360	25,936
54-14TC2	Sonoma	104	Pet	Across Petaluma Cr.		4/ 1/53	Payne Const. Co.	Redeck Br.	18,658	4,000	22,658
14WLC39	Son-Sol	208	A, A	At Sonoma Cr. Abt. 10 Mi. W. of Vallejo		6/26/46	M. A. Jenkins	Repair Br. deck	2,165	231	2,396
14TC33	Sonoma	208	A	Across Tolay Cr. Abt. 14 Mi. W. of Vallejo		11/29/47	Evans Const. Co.	Redeck Stl. Truss Br.	8,612	1,603	10,215
51-14TTC1	Sonoma	208	A	Across Tolay Cr.		8/21/50	Thomas Rigging Co.	Alter Stl. Truss Br.	1,189	434	1,623
51-4TC19	Sonoma	208	A	Bet. Sears Point & Solano Co. Line	2.0	10/11/50	A. G. Raisch Co.	Shldrs. & Sl. Ct.	19,445	1,204	20,649
53-4TC18	Sonoma	208	A	At Tolay Cr. near Sears Point	0.1	7/ 7/52	Parish Bros.	Gr. & P.M.S. on Apps.	22,086	2,088	24,174

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-4DC1-P	Sonoma	FAS 777		On Petaluma-Valley Ford Hwy., Bet. 1.0 Mi. E'ly & 1.7 Mi. W'ly of Valley Ford, Abt. 19 Mi. W. of Petaluma	2.7	8/ 9/51	Pike & Hill, Carey Bros., & Bailey	Gr., I.B.M. on I.S.M. & Sl. Ct.	$199,077	$1,910	$200,987
53-4DC2	Sonoma	FAS 777		Petaluma-Valley Ford Hwy. Bet. 4.0 Mi. & 5.4 Mi. W'ly of Petaluma	1.2	7/16/52	J. Henry Harris	Gr. & P.M.S. on I.B.M.	109,847	1,233	111,080
53-4DC5	Sonoma	FAS 777		Valley Ford Cut-off Bet. 1.7 Mi. & 3.6 Mi. W'ly of Valley Ford	1.9	10/28/52	J. R. Armstrong	Gr., I.B.M. & Sl Ct.	199,077	1,910	200,987
14DC2	Sonoma	FAS 786		Across Russian Riv. at Hacienda		9/13/46	Kiss Crane Co.	Stl. & Conc. Br.	123,197	2,268	125,465
14DC70-P	Sonoma	FAS 786		Across Hobson Cr. at Hacienda		4/20/50	G. M. Carr & Bati Rocca	R.C Br. & P.C.C. on Apps.	85,000	1,177	86,177
14DC37	Sonoma	FAS 788		Across Russian Riv. at Jimtown		6/16/48	C. B. Tuttle Co.	Stl. & R.C. Br. & I.B. on Apps.	373,631	27,914	401,545
51-4DC3-P	Sonoma	FAS 878		Lakeville Rd. Bet. 1.8 & 3.6 Mi. NW. of Rte. 8	1.8	8/18/50	Harold Smith	Gr. & Sl. Ct.	105,667	6,432	112,099
54-14DC2	Sonoma	FAS 1189		Across Sonoma Cr. on Caliente Dr. Abt. 5 Mi. N. of Sonoma		8/21/53	Barton Contr. Co. & B & B Steel Erectors	Stl. & Conc. Br.	52,004	1,000	53,004
	Sonoma			Various Locations				Minor Contrs. & D.L. Projs.	149,871		149,871
0-10TC31	Sta, Mer	4	A, B, A, C	See Merced County							
1-10TC54-F	Stanislaus	4	A	Bet. Turlock & Keyes	4.9	8/25/49	United Conc. Pipe Corp.	Gr., P.M.S. & R.C. Br.	476,509	55,631	532,140
51-10TC6	Sta, Mer	4	A, Cer, B, C, D, Lvtn	See Merced County							
51-10TC11	Stanislaus	4	A	Bet. Turlock & Keyes		10/ 3/50	R. Goold & Son	Signals & Lights	20,326	1,131	21,457
51-10TC16-F	Sta, Mer	4	A, D	See Merced County							
52-10TC14	Sta, Mer	4	A, D	See Merced County							
52-10TC4	Sta, Mer	4	A, C, Mer, A	See Merced County							
52-10TC11	Stanislaus	4	A	Bet. N.C.L. of Turlock & 0.6 Mi. NW'ly	0.6	10/30/51	United Conc. Pipe Corp.	Widen, P.M.S. on U.R.B., & Pumping Plant	147,142	14,856	161,998
10TC15	Sta, S.J	4	B, A, Rip	Bet. Salida & 1 Mi. N. of Ripon	4.5	7/15/46	A. Teichert & Son, Inc.	Gr. & P.C.C.	434,113	52,161	486,274
14TC21	Sta, S.J	4	B, A	Across Stanislaus Riv.		4/25/47	Fredrickson & Watson Const. Co.	Stl. Br.	352,697	13,913	366,610

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10TC24	Sta, S.J.	4	B, A, Rip	Bet. Salida & 1 Mi. N. of Ripon	-----	10/20/47	Evans Const. Co.	Barrier Posts & Guard Rail	$9,901	$1,773	$11,674
1-10TC46	Sta, S.J.	4	B, A, Rip, C	Bet. Salida & 1 Mi. N. of Ripon & Bet. Calaveras Riv. & Lodi	11.9	4/ 1/49	Henry C. Soto Corp.	Landscape	17,114	1,774	18,888
1-10TC44	Sta, Mer.	4	D, A, Cer, B	See Merced County							
10TC22	Stanislaus	4	Cer	On 4th St.	-----	6/10/47	L. H. Leonardi Elc. Const Co.	Signals	14,007	1,794	15,801
10GC6	Stanislaus	4	Tur	Bet. Olive St. & Marshall St.	-----	5/12/48	Collins Elc. Co.	Signals	6,905	618	7,523
1-10TC63-P	Stanislaus	4	Tur	Bet. Geer Ave. & N.C.L.	0.2	6/14/50	United Conc. Pipe Corp.	Widen & P.M.S. on U.R.B.	17,826	1,161	18,987
51-10TC2	Stanislaus	13	A, Rvbk, A, Okdl, B	Bet. Jct. Rte. 109 & 1 Mi. E. of Oakdale	11.2	4/ 1/50	Munn & Perkins	Widen & P.M.S.	212,592	22,727	235,319
54-10TC10	Stanislaus	13	A	At Modesto Irrig. Dist. Main Canal Br. Abt. 0.8 Mi. N. of Jct. State Rte. 109	-----	10/ 2/53	Friant Const. Co.	Replace Br. with R.C. Pipe & P.M.S. on U.R.B.	22,748	2,000	24,748
10TCL1	Stanislaus	13	B	At Wildcat Cr.	0.4	6/27/47	Biasotti Const. Co.	Gr. & M.P. Culv.	46,820	4,684	51,504
0-10TC32	Stanislaus	13	B	Bet. 1.3 Mi. E. of Oakdale & 1.8 Mi. W. of Tuo. Co. Line	9.6	4/28/48	M. J. Ruddy & Son	Gr. & P.M.S. on U.R.B.	204,669	13,531	218,200
0-10TC29	Stanislaus	41	A, B	Bet. Newman & San Joaquin Co. Line	6.2	4/ 1/48	M. J. Ruddy & Son	Gr. & P.M.S.	140,606	8,375	148,981
14DGT6	Stanislaus	41	A	SP Co. Xing at Westley & at Solyo	-----	9/ 3/48	Southern Pacific Co.	Flashing Lights	7,654	----------	7,654
53-10TC4	Stanislaus	41	A, B, New	5 Locations in Vicinity of Newman, Crows Landing & S. of Westley	1.9	6/ 4/52	B. J. Ukropina, T. P. Polich, Steve Kral	Gr. & P.M.S.	161,946	23,269	185,215
1-10TC55	Stanislaus	41	B, Pat	At Patterson	0.5	8/31/49	H. Sykes	Gr. & P.M.S. on U.R.B.	29,172	6,359	35,531
0-10TMC7	Stanislaus	66	Okdl	Bet. D St. & B St.	0.2	8/30/48	M. J. Ruddy & Son	P.M.S.	13,806	----------	13,806
51-10TC17	Stanislaus	110	A, B	Bet. 10.5 Mi. & 5.0 Mi. W. of Modesto (Pors.)	3.5	3/27/51	M. J. Ruddy & Son	P.M.S.	122,560	12,439	134,999
53-10TC2	Sta, S.J.	110	A, B, A	See San Joaquin County							
51-10TC13	Stanislaus	110	B	At Modesto Irrig. Dist. Lateral No. 4	0.3	10/19/50	M. J. Ruddy & Son	Widen R.C. Br., Gr. & P.M.S. on U.R.B.	24,608	5,069	29,677
10TC19	Sta, Mer.	110, 4	C, D	See Merced County							

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
52-10DC3	Stanislaus	FAS 903		On McHenry Ave., Bet. State Hwy. Rte. 13 & San Joaquin Co. Line	1.7	8/27/51	M. J. Ruddy & Son	P.M.S. on U.R.B.	$34,612	$1,260	$35,872
10DC14-P	Stanislaus	FAS 904		Bet. Oakdale & Waterford	9.5	7/ 3/50	United Conc. Pipe Corp.	Widen & B.S.T. & P.M.S. on U.R.B.	95,000	1,480	96,480
51-10DC4	Stanislaus	FAS 904		Bet. Rte. 66 & Valley Home	3.9	5/24/51	United Conc. Pipe Corp.	Widen & P.M.S.	68,606	1,075	69,681
14DC17	Stanislaus	FAS 912		Across Tuolumne Riv., Abt. 6 Mi. E. of Modesto		5/22/47	Erickson, Phillips, & Weisberg	R.C. Br.	145,656	1,332	146,988
10DC3	Stanislaus	FAS 912		Bet. Empire & Hughson	0.9	4/22/48	Louis Biasotti & Son	Gr. & P.M.S.	34,165	935	35,100
52-10DC8	Stanislaus	FAS 912,914		On Santa Fe Ave. & Geer Rd., Bet. 1 Mi. S. of Empire & Monte Vista Rd.	7.6	4/18/52	United Conc. Pipe Corp.	P.M.S. on U.R.B.	124,047	2,437	126,484
14DG16	Sta, Mer, S.J	FAS 913, 1058, 903		See Merced County							
53-10DC1	Stanislaus	FAS 914		Lander Ave. Bet. S.C.L. Turlock & Merced Co. Line	2.2	8/12/52	M. J. Ruddy & Son	P.M.S.	26,655	1,487	28,142
14DC38	Stanislaus	FAS 915		Across San Joaquin Riv., 4.5 Mi. E. of Crows Landing		6/21/48	Bos Const. Co.	R.C. Br.	172,026	1,803	173,829
10DC6	Stanislaus	FAS 915		At San Joaquin Riv., 4.5 M i.NE. of Crows Landing	0.6	6/ 3/49	Karl C. Harmeling	Gr. & P.M.S. on U.R.B.	34,364	334	34,698
51-10DC1-P	Stanislaus	FAS 916, 914		Bet. Turlock & Crows Landing Rd. & Bet. Monte Vista Ave. & Turlock	9.0	7/13/50	United Conc. Pipe Corp.	Widen & P.M.S. on U.R.B.	90,599	983	91,582
51-10DC2	Stanislaus	FAS 917		Bet. Modesto & 5.4 Mi. W'ly	5.4	7/20/50	United Conc. Pipe Corp.	Widen & P.M.S.	67,119	679	67,798
53-10DC5	Stanislaus	FAS 1191		On Scenic Drive-Old Oakdale Rd. Bet. E.C.L. of Modesto & S.H. Rte. 13	6.8	4/20/53	Munn & Perkins	U.R.B. & P.M.S.	130,352	4,000	134,352
54-10DC1	Stanislaus	FAS 1194		On Grayson Rd., Bet. Crows Landing Rd. & Jennings Rd.	4.0	8/ 4/53	Ukropina-Polich-Kral	U.R.B. & P.M.S.	66,972	4,500	71,472
	Stanislaus			Various Locations				Minor Contrs. & D.L. Projs.	29,615		29,615

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-3TC51-P	Sut, But	3	A, LiO, A, Grd	Bet. Lomo & Fagan & in Gridley	7.1	4/ 1/48	McGillivray Const. Co.	P.M.S.	$91,808	$4,068	$95,876
1-3TC69	Sut, But	3	A, LiO, A	Bet. 2.5 Mi. S. Live Oak & Gridley	-----	11/18/49	L. Bormolini & Son	Improve Drainage	41,220	6,770	47,990
3TC40	Sutter	3	LiO, A	At Live Oak	1.7	10/ 8/47	McGillivray Const. Co.	Gr. & P.M.S. on C.T.B.	166,346	22,156	188,502
3TC28	Sut, Yub	3	Y.C, Mvl	See Yuba County							
3TC42	Sut, Yub	3	Y.C, Mvl	See Yuba County							
3TC47	Sut, Yub	3	Y.C, Mvl	See Yuba County							
14TC5	Sut, Yub	3	Y.C, Mvl	See Yuba County							
52-3TC3	Sutter	15	A, B	Bet. Meridian & 3 Mi. W. of Yuba City	7.1	5/ 1/51	Rice Bros., Inc.	Resurf. with P.M.S.	82,365	3,694	86,059
52-3TC18	Sutter	15	A, B	At 13 Locations Bet. 1 Mi. E. of Meridian & 3 Mi. W. of Yuba City	-----	3/12/52	Commercial Const. Co.	Adjust Drains & Irrig. Facilities	17,414	2,815	20,229
53-3TC10	Sutter	15	B	Across Sycamore Canal, Abt. 3 Mi. W. of Yuba City	-----	10/ 3/52	Al Erickson & Co.	Widen R.C. Br.	17,348	3,133	20,481
53-3TC6	Sutter	15, 3	B, Y.C; Y.C	Bet. 0.2 Mi. W. of Onstott Rd. & Rte. 3 in Yuba City	1.0	7/30/52	Rice Bros., Inc.	Gr., C.T.B. & P.M.S.	270,481	34,000	304,481
3W40	Sutter	87	B	Bet. Sutter Bypass & Tudor Rd.	2.0	9/29/47	Day Labor	Gr. & I.B. Shldrs.	6,999	----------	6,999
3TC18	Sut, Yub	87, 3	B, A, B	See Yuba County							
14TC30	Sutter	87	B	Across Sutter Bypass, N. of Knights Landing	-----	10/23/47	Wm. S. Shedd	Repair Timber Br.	21,318	1,551	22,869
51-3TC1	Sutter	87	B	Bet. Tudor & Lincoln Rd.	5.6	4/ 1/50	Rice Bros., Inc.	P.M.S. on C.R.B.	96,846	8,660	105,506
51-3TC8	Sutter	87	B	On Sutter Causeway, 12 Mi. N. of Knights Landing	1.0	7/15/50	Rice Bros., Inc.	Resurf. with P.M.S.	14,808	951	15,759
53-3TC13	Sutter	87	B	At N. End Sutter Causeway Abt. 5 Mi. W. of Tudor	0.2	11/20/52	Rice Bros., Inc.	Gr., P.M.S. & Adj. Causeway to Gr.	42,780	5,000	47,780
14DC46	Sutter	FAS 926	----------	Across Cross Canal	-----	11/22/48	Lord & Bishop	R. C. Br.	117,849	10,588	128,437
3DC13	Sutter	FAS 926	----------	Bet. Sacramento Co. Line & S. of Striplin Rd.	7.9	2/17/49	P. J. Moore & Son & Harms Bros.	Gr., I.B., I.B.M., Pen. Tr. & Seal	246,029	18,778	264,807
3DC19	Sutter	FAS 926	----------	Bet. Nicolaus Br. & Tudor	7.3	9/15/49	A. Teichert & Son, Inc.	Resurf. with P.M.S.	65,885	1,869	67,754
52-3DC8-P	Sutter	FAS 926	----------	Bet. 1 Mi. S. of Striplin Rd. & Striplin Rd.	1.1	9/ 4/51	P. J. Moore & Son	Gr., Pen. Tr. & Sl. Ct.	56,768	586	57,354

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-3DC2	Sutter	FAS 1168		Bet. Striplin Rd. & Nicolaus Ave.	3.0	8/ 4/52	Lefever & Bing	Gr., I.B.M., Pen. Tr., & Sl. Ct.	$106,757	$6,796	$113,553
	Sutter			Various Locations				Minor Contrs. & D.L. Projs.	4,149		4,149
51-14TC10	Teh, But	3	A, D	See Butte County							
52-14TC15	Tehama	3	A, D	At Various Locations Bet. Deer Cr. Overflow & Mill Race Cr.	0.3	11/17/51	Erickson, Phillips & Weisberg	Widen 14 R.C. Brs. & Apps. & Resurf. with P.M.S.	569,047	42,326	611,373
54-2TC7	Tehama	3	A, D	Bet. 2.9 Mi. S. of Los Molinas & 4.3 Mi. N. of Dairyville	1.0	7/31/53	Clements Contstr. Co.	Widen Br. Apps. & P.M.S.	38,452	4,156	42,608
2TC13-F	Tehama	3	C	Bet. 6 Mi. N. of Red Bluff & Shasta Co. Line	7.1	1/21/46	Oilfields Trucking Co. & Phoenix Const. Co.	Gr. & P.M.S.	539,402	66,106	605,508
14TC8	Tehama	3	D	Across E. & W. Sand Sloughs, Sampson Slough, Paynes Cr., Salt Cr. & Salt Cr. Overflow		1/22/46	J. D. Proctor, Inc. & Dragline Rentals Co.	5 R.C. Brs. & Widen 2 Conc. Brs.	366,313	36,444	402,757
2TC19	Tehama	3	D	Bet. Mill Race Cr. & Red Bluff	2.8	4/ 2/47	Morrison-Knudsen Co., Inc.	Gr. & P.M.S.	140,290	16,759	157,049
54-2TTC1	Tehama	3	D	Bet. Los Molinos & Mill Race Cr.	12.2	2/23/54	Joseph M. Oakley, Tree Service	Trim Trees	3,353		3,353
54-2TC9	Tehama	3	RBl, C	Bet. Hickory St. in Red Bluff & 0.84 Mi. N'ly	0.9	9/ 4/53	Fredrickson & Watson Const. Co.	P.M.S. on C.T.B.	49,007	4,900	53,907
51-2TC4	Tehama	7	A, Cng, B	Bet. S. Boundary of Tehama Co. & Proberta	20.6	4/28/50	McGillivray Const. Co.	Widen Shldrs., P.M.S. & Widen 3 R.C. Brs.	412,698	41,310	454,008
2TL15	Tehama	29	A	Across Ramsey Cr., Br. No. 8-53		4/ 2/46	Day Labor	Repair Timber Br.	6,542	270	6,812
2TL16	Tehama	29	A	Across Flopper Cr., Br. No. 8-54		6/ 3/46	Day Labor	Repair Timber Br.	9,832	269	10,101
2TL17	Tehama	29	A	Across Dehaven Gulch, Br. No. 8-55		9/10/47	Day Labor	Repair & Reconst. Timber Br. Deck	11,392	220	11,612
54-2TC8	Tehama	29	A	Bet. 1.4 Mi. E. of Jct. with Rte. 3 & Ellenwood Cr.	7.0	8/10/53	Fredrickson & Watson Const. Co.	P.M.S. on C.T.B.	168,247	16,800	185,047
2WL27	Tehama	29	D, E	Across Dry Cr. & Salt Cr.		4/24/47	Day Labor	Repair 2 Stl. Truss Brs.	11,700		11,700

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14WLC58	Tehama	29	E	Across S. Fk. Cottonwood Cr.	-----	8/28/47	C. M. Allen	Repair Stl. Br.	$12,682	$859	$13,541
1-14TC77	Tehama	29	E	Across S. Fk. Cottonwood Cr.	-----	9/ 8/49	Evans Const. Co.	Repair Stl. Br.	13,905	1,582	15,487
53-14TC9	Tehama	47	B	Across Deer Cr. Abt. 48 Mi. NE. of Chico	-----	5/22/52	R. E. Hertel	R.C. Br. & Apps.	85,651	8,833	94,484
14DC27	Tehama	FAS 1078 1082	-----	Across Thomes Cr. & Reed Cr.	-----	10/ 3/47	G. M. Carr & Bati Rocca	2 Stl. Brs. & Armor Ct. Apps.	180,617	16,877	198,494
14DC45	Tehama	FAS 1078 1081 1083	-----	At Reeds, Paynes & Thomes Crs.	-----	10/19/48	O'Conner Bros.	3 Stl. Brs. & Apps.	267,140	23,089	290,229
51-14DC1	Tehama	FAS 1078	-----	Across Mill, Willow, & McCarty Crs.	0.1	8/30/50	H. W. Ruby	2 R.C. Brs. & Apps. to 3 Brs.	109,497	12,046	121,543
14DC52-P	Tehama	FAS 1080	-----	Across Elder Cr., 0.5 Mi. S. of Gerber	-----	8/12/49	Transocean Engr. Corp.	R.C. Br.	57,300	6,865	64,165
-----	Tehama	-----	-----	Various Locations	-----	-----	-----	Minor Contrs. & D.L. Projs.	22,208	-----	22,208
2TC29	Tri, Plu, Sha	20, 21	A, B, B	See Plumas County							
2DC6-P	Trinity	20, FAS 1089	A	Bet. Rte. 20 & Browns Mtn. & at E. Weaver Cr.	6.5	6/30/47	N. M. Ball Sons	C.R.B., R.M.S. & R.C. Culv.	270,565	40,938	311,503
52-2T12	Trinity	20	A	Across Weaver Cr., Br. No. 5-17	-----	7/19/51	Day Labor	Improve Timber Br.	7,080	-----	7,080
2T43	Tri, Sha	20	B, A	Bet. 1.4 Mi. E. of Buckhorn Maint. Sta. & 4.7 Mi. E. of Trinity Co. Line	6.4	4/17/47	Day Labor	Resurf.	30,356	1,469	31,825
41W10	Tri, Hum	20	C, D, D	See Humboldt County							
1W22	Trinity	20	C, D	Bet. So. Fk. Trinity Riv. at the Humboldt-Trinity Co. Line & Cedar Flat	3.8	10/ 9/45	Day Labor	Pen. Tr.	11,485	307	11,792
1T65	Tri, Hum	20	C, D, D	See Humboldt County							
1T66	Trinity	20	C	Bet. Sta. 0+00 & Sta. 355+00	-----	10/11/48	Day Labor	Oil	10,000	-----	10,000
1T69	Tri, Hum	20	C, D	See Humboldt County							
1T79	Trinity	20	C, D	Bet. S. Fk. Trinity Riv. & White's Bar Cr.	15.7	8/ 9/50	Day Labor	Oil	13,988	-----	13,988
52-1T10	Trinity	20	C, D	Bet. S. Fk. Trinity Riv. Br. & Prairie Cr.	-----	7/ 2/51	Honor Camp Labor	Gr. & Surf.	299,968	26,360	326,328
52-1T11	Trinity	20	C, D	Bet. S. Fk. Trinity Riv. & Del Loma	-----	7/ 2/51	Day Labor	Oil	25,717	-----	25,717

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-14TC3	Trinity	20	D	Across Big French Cr., 27 Mi. W. of Weaverville		4/ 1/52	Laredon Const. Co.	R.C. Br.	$34,684	$4,958	$39,642
53-1TC7	Trinity	20	D	At China Slide, 1.5 Mi. E'ly of Burnt Ranch Post Office		7/16/52	R. P. Shea Co.	Stockpile C.R.B.	26,533	2,434	28,967
14WLC31	Trinity	29	A	Across Hayfork Cr., Abt. 58 Mi. W. of Red Bluff		5/17/46	C. C. Gildersleeve	Stl. Br.	9,582	1,028	10,610
2T83	Trinity	29	A	Across Salt Cr., 2 Mi. E. of Peanut		5/25/51	Day Labor	Reconst. Timber Br. & Apps.	10,449		10,449
52-14TC19	Trinity	35	A	Across S. Fk. Trinity Riv., Abt. 22.2 Mi. W. of Hayfork		4/11/52	Laredon Const. Co.	Remove & Replace Stl. Br. Superstr.	55,821	4,920	60,741
1T68	Trinity	35	B	Bet. Peanut & Hayfork	5.9	3/11/49	Day Labor	Gr. & Surf.	14,999	575	15,574
14WLC55	Trinity	35	C	Across Redding Cr.		6/12/47	C. C. Gildersleeve	Widen Timber Br.	19,020	1,204	20,224
2DC10	Trinity	FAS 1089		Bet. Rte. 20 & Browns Mountain	6.3	8/25/48	Morgan Const. Co.	Sl. Ct.	13,594	1,957	15,551
	Trinity			Various Locations				Minor Contrs. & D.L. Projs.	33,893		33,893
14VC29	Tulare	4	A	Across White Riv. Sink		3/ 5/47	Wheeler Const. Co.	R.C. Br. & Apps.	31,264	4,732	35,996
6XC13-P	Tul, Ker	4, 33	A, D	Bet. Delano & 2.5 Mi. S. of Earlimart & Bet. 2.1 Mi. E. of Wasco & Famoso	8.3	4/10/47	Griffith Co.	P.M.S.	84,588	6,529	91,117
53-6VC1-F	Tulare	4	A, B	Bet. 0.5 Mi. N. of Pixley & 1 Mi. S. of Tipton	4.8	6/ 4/52	Gordon H. Ball & San Ramon Valley Land Co.	Gr., P.C.C. & P.M.S.	554,345	66,121	620,466
6VC3	Tulare	4	B, E, F	Bet. Quail Sta. & 6.5 Mi. N. of Goshen	13.5	4/13/45	Brown, Doko & Baun	P.M.B.M.	110,714	12,176	122,890
6V14	Tulare	4	B, E, F	Bet. Rte. 127 & 9.5 Mi. N. of Goshen		3/19/46	Day Labor	Restore Oiled Borders	15,681	229	15,910
0-6VC27	Tulare	4	B	Bet 1 Mi. S. of Tipton & Tulare Airport	7.9	8/ 3/48	N. M. Ball Sons	Gr. & 5 R.C. Brs.	599,734	61,042	660,776
0-6VC35-F	Tulare	4	B	Bet. 1 Mi. S. of Tipton & Tulare Airport	7.8	6/ 1/49	N. M. Ball Sons	P.C.C.	658,772	44,991	703,763
1-6VVC4	Tulare	4	B	At 6th St. in Tipton		4/29/50	L. H. Leonardi Elc. Const. Co.	Signals & Lights	12,784	1,410	14,194
51-6VC5-F	Tulare	4, 134	B, Tul, F, B	Bet. Tulare Airport & Tagus	7.8	10/20/50	United Conc. Pipe Corp.	Gr., P.C.C. on C.T.S., P.M.S. on U.R.B., Stl. Br. & Stl. UP.	847,767	99,795	947,562
53-6VC7	Tul, Ker	4	B, F, E; G, E	See Kern County							
52-6VC8-F	Tulare	4	B, Tul, F	Bet. Tulare Airport & Tagus		4/18/52	Gordon H. Ball & San Ramon Valley Land Co., & Trewhitt-Shields & Fisher	Gr., P.M.S. on Ramps, Frontage Rds. & 6 R.C. OC's	825,200	100,000	925,200

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
53-6VC10-F	Tulare	4	B, Tul, F	Bet. Tulare Airport & Tagus	7.9	2/27/53	Guy F. Atkinson Co.	P.C.C. on C.T.B. & P.M.S. on U.R.B.	$1,109,954	$110,000	$1,219,954
53-6VC13	Tulare	4	B, Tul, F	Bet. Tulare Airport & Tagus	-----	6/26/53	Howard Electric Co.	Lights & Signs	49,439	8,500	57,939
6VC9	Tulare	4	E	Bet. 3.6 & 0.4 Mi. S. of Kingsburg	3.0	6/ 8/46	Valley Pav. & Const. Co., Inc.	Repair with P.M.S. & Sl. Ct.	33,725	4,785	38,510
6TC8-P	Tul, Fre	4	E, D, Kingb, A	See Fresno County							
6TC11-P	Tul, Fre	4	E, D, Kingb, A	Bet. Mendocino Ave. & 0.3 Mi. N. of Kingsburg	-----	2/27/48	Tri-Cities Elc. Serv.	Signals & Lights	27,235	2,034	29,269
51-6VC9-F	Tulare	4	E	Bet. 1 Mi. N. of Goshen & Traver	6.3	1/ 4/51	Griffith Co.	Gr., P.C.C. on C.T.S. & 5 R.C. Brs.	632,472	62,438	694,910
55-6VC2	Tulare	4	E	Bet. 0.5 Mi. S. of Kings Riv. & Clark Ave.	1.1	4/ 1/54	Gene Richards, Inc.	Resurf. with P.M.S.	26,855	3,600	30,455
6VC22	Tulare	4	F	Bet. 0.5 Mi. S. of Tagus & Rte. 10	5.0	6/18/48	Guy F. Atkinson Co.	Gr., P.C.C. & P.M.S. & R.C. Br.	793,477	84,394	877,871
1-6VC39	Tulare	4	F	Bet. 0.5 Mi. S. of Tagus & Rte. 10	2.9	9/15/49	Geo. E. France, Inc.	Resurf. with P.M.S.	50,167	6,131	56,298
6V24	Tulare	4	Tul	At Tulare & Inyo Sts.	-----	3/31/47	City of Tulare	Signals	7,600	----------	7,600
51-6VC3-P	Tulare	10, 132	B, Vis, Vis	At Mooney Blvd.	-----	7/26/50	Westates Elcl. Const. Co.	Signals & Lights	18,454	2,029	20,483
51-14BC4-F	Tulare	10	C	Across Deep Cr., 5.4 Mi. E. of Visalia	-----	6/28/51	Rex B. Sawyer	Replace R.C. Br.	42,040	4,000	46,040
1-6VC41	Tulare	10	Vis, C	Bet. Visalia & Venida Sub-Station	8.1	3/24/50	Griffith Co.	P.M.S. & B.S.T.	99,756	12,597	112,353
51-6VC7-P	Tulare	10	Vis	At Conyer St.	-----	11/ 8/50	Clinton Elc. Corp.	Signals & Lights	4,364	558	4,922
53-6VC6-P	Tulare	10	Vis	Intrs. of Mineral King Ave. with Giddings Ave.	-----	8/29/52	L. H. Leonardi Elc. Const. Co.	Signals & Lights	8,625	685	9,310
53-6VC8	Tulare	127	B	Bet. Bartlett Park Rd. & Clavicle	6.5	9/25/52	C. F. Oliphant	Widen with P.M.S. on I.B.M.	97,347	10,999	108,346
53-6VC11	Tulare	127	Ptrv, B	Bet. Cornell St. & Park St.	0.3	2/27/53	Gordon H. Ball & San Ramon Valley Land Co.	P.M.S. on C.T.B. & Lights	37,658	8,293	45,951
6XC10	Tul, Ker	129	A, A, B	See Kern County							
0-6VC23	Tul, Ker	129	A, A, B	See Kern County							
1-14VC89	Tulare	129	B	Across Deer Cr. & Deer Cr. Ditch	-----	7/ 7/49	Thomas Const. Co.	R.C. Br. & R.C. Culv.	61,061	7,986	69,047
53-14VC12	Tulare	129	B	Across Tule Riv. at S.C.L. of Porterville	-----	9/17/52	Volpa Bros.	Repair Br.	12,701	3,024	15,725
53-6V10	Tulare	129	B	Tule Riv. at Porterville	-----	1/13/53	Day Labor	Detour	6,242	----------	6,242

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
6X22	Tulare	129	D	Bet. Cairn's Corners & 4.4 Mi. N'ly	4.4	3/20/47	Day Labor	Resurf. with R.M.S.	$28,074	$189	$28,263
14XC20	Tulare	129	E	Across Yokohl Cr.	-----	3/24/47	R. M. Price Co.	Stl. Br. & Apps.	89,154	9,408	98,562
53-6V11	Tulare	129	E	Bet. 0.5 Mi. & 2.0 Mi. N. of Rte. 10	-----	6/23/53	Day Labor	Remove Irrig. Pipe Line	11,020	----------	11,020
51-6VC10	Tulare	129	Ptrv	At Morton St.	-----	12/13/50	Clinton Elc. Corp.	Signals	3,974	651	4,625
54-6VC12	Tulare	129, 134	Ptrv, Lnsy	At Various Intrs.	-----	4/15/54	Volpa Brothers	Part Circle Culvs.	8,088	2,000	10,088
6XC12	Tulare	132	A, Vis	Bet. Packwood Cr. & Rte. 10	2.3	3/24/47	R. M. Price Co.	Gr. & P.M.S.	219,489	16,294	235,783
1-6VC31	Tulare	132	A	Bet. Rte. 134 & Packwood Cr.	5.8	4/ 1/49	Valley Pav. & Const. Co., Inc.	P.M.S.	52,495	6,026	58,521
55-6VC5	Tul, Ker	132; 57, 138	Vis; B, C, Mcp; Mcp	See Kern County							
0-14VC87	Tulare	133	A	At St. Johns Riv., 4 Mi. NE. of Visalia	1.2	6/ 7/49	Anderson Co.	P.M.S. on U.R.B. & R.C. Br.	146,550	17,004	163,554
51-6VC8	Tulare	134	B	At Proposed Rte. 134 OC.	-----	11/21/50	L. H. Leonardi Elc. Const. Co.	Lights	11,496	1,750	13,246
54-6VC8	Tulare	134	B	Bet. Ash Ave. near Tulare & Rte. 132	1.0	10/ 2/53	Thomas Const. Co.	Gr. & P.M.S. on C.T.B.	183,081	34,000	217,081
52-6VC9	Tulare	134	Tul	Intrs. of Tulare St. with M. St.	-----	5/ 1/52	L. H. Leonardi Elc. Const. Co.	Signals	5,276	588	5,864
53-6VC9	Tulare	134	Tul	Intrs. Tulare St. with L St.	-----	2/24/53	R. Goold & Son	Signals	2,990	498	3,488
52-6TC7-P	Tul, Kin	135	A, B	See Kings County							
52-6TC9-P	Tul, Kin	135	A, B	See Kings County							
54-6VC11	Tulare	135	B	At Deer Cr. Abt. 14 Mi. S. of Corcoran	0.2	3/24/54	Phoenix Const. Co., Inc.	C.M.P., Gr. & B.S.T.	11,857	2,200	14,057
54-6DC1	Tulare	FAS 579	----------	On Alta Ave., Bet. F.A.S. Rte. 1141 & Tulare-Fresno Co. Line near Dinuba	5.0	9/17/53	Gene Richards, Inc.	I.B.M. & P.M.S. on C.T.B.	140,457	----------	140,457
14DC32	Tulare	FAS 1126 1137	----------	Bet. 3 & 15 Mi. S. of Visalia (Pors.)	-----	12/ 9/47	Trewhitt, Shields & Fisher	4 R.C. Brs.	47,578	3,827	51,405
6DC11	Tulare	FAS 1126	----------	Bet. FAS Rte. 1129 & State Rte. 134	8.0	6/29/48	Geo. E. France, Inc.	Gr. & B.S.T.	145,191	9,004	154,195
52-14DC9	Tulare	FAS 1127	----------	Across Tule Riv. & Poplar Ditch, Abt. ¼ Mi. S. of Porterville	-----	9/21/51	Trewhitt, Shields & Fisher	R.C. Br.	177,989	10,000	187,989

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14DC23	Tulare	FAS 1128		Across Tule Riv.		7/23/47	Trewhitt, Shields & Fisher	R.C. Br.	$127,206	$4,221	$131,427
6DC8	Tulare	FAS 1128		Bet. 4 Mi. & 6.5 Mi. W. of Porterville		11/29/47	F. Gunner Gramatky	I.B. & P.M.S.	51,497	2,421	53,918
6DC18	Tulare	FAS 1128		On W. Olive St. Bet. 3.5 Mi. W. of Porterville & Porterville	3.2	4/ 1/49	Ted F. Baun	Widen, P.M.S. on C.T.B. & Shldr. B.S.T.	83,834	4,693	88,527
6DC6	Tulare	FAS 1129 1130		Bet. 2 Mi. W. of Woodville & Poplar	8.0	7/23/47	F. Gunner Gramatky	Widen & P.M.S.	183,226	6,306	189,532
14DC14	Tulare	FAS 1130		Across White Riv., Abt. 7 Mi. SE. of Earlimart		5/16/47	E. H. Peterson & Son	R.C. Br.	15,136	374	15,510
52-6DC7-P	Tulare	FAS 1130		On Poplar Rd., Bet. 6 Mi. S. of Poplar & Poplar	6.0	3/24/52	Baun Const. Co.	Gr. & R.M.S. on C.T.B.	152,969	1,701	154,670
52-6DC2-P	Tulare	FAS 1134		On Frazer Valley Hwy., Bet. Strathmore & 3.5 Mi. E.	2.9	7/24/51	Griffith Co.	Gr. & R.M.S. on I.S.M. & I.B.M.	101,393	1,941	103,334
14DC15	Tulare	FAS 1136 1138		Across St. Johns Riv.		5/12/47	Northup Const. Co.	R.C. Brs.	133,697	3,737	137,434
53-6DC2-P	Tulare	FAS 1136 1143		Bet. Farmersville & State Rte. 10 at Mitchell's Cor. & Bet. Farmersville & Exeter	5.3	10/20/52	Rice Bros., Inc.	Gr., P.M.S. on C.T.B.	250,953	4,605	255,558
54-14DC4	Tulare	FAS 1136 1143		Bet. 3.4 Mi. N. & 0.7 Mi. W. of Farmersville		10/22/53	Rice Bros., Inc.	R.C. Culv. & 3 R.C. Brs.	84,509		84,509
1-6DC23-P	Tulare	FAS 1137		Bet. State Rte. 134 & 6 Mi. N.	6.0	2/23/50	Geo. E. France, Inc.	Gr. & R.M.S. on C.T.B.	128,652	5,192	133,844
51-6DC5-P	Tulare	FAS 1137 1138		Bet. FAS 1143 & Rte. 10 & Bet. Rte. 10 & Rte. 133	3.0	12/ 9/50	Rice Bros., Inc.	Gr., P.M.S. & R.C. Br.	187,769	1,707	189,476
14DC28	Tulare	FAS 1140		Across St. Johns Riv., Abt. 12 Mi. NE. of Visalia		10/10/47	Charles MacClosky Co.	Reconst. Stl. & Conc. Br.	65,621	4,931	70,552

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
14DC41	Tulare	FAS 1140		Across Peoples Ditch Abt. 4 Mi. N. of Exeter		8/11/48	Trewhitt, Shields & Fisher	Stl. Br.	$34,190	$4,596	$38,786
1-14DC56-P	Tulare	FAS 1140		Across Kaweah Riv. & Ketchum Ditch, Abt. 10 Mi. NE. of Visalia		9/29/49	C. B. Tuttle Co.	R.C. Br. & R.C. Culv.	50,696	470	51,166
14DC19	Tulare	FAS 1142		Across Kings Riv., Abt. 5.5 Mi. W. of Dinuba		6/ 4/47	Carl N. Swenson Co., Inc.	R.C. Br.	190,875	5,581	196,456
51-6DC1-P	Tulare	FAS 1142		Bet. Dinuba & Orosi	4.8	8/18/50	Oilfields Trucking Co. & Phoenix Const. Co., Inc.	Gr. & P.M.S.	108,189	2,837	111,026
	Tulare			Various Locations				Minor Contrs. & D.L. Projs.	77,101		77,101
1-10TC59-F	Tuolumne	13	B	Bet. Montezuma Rd. & 1 Mi. S. of Jamestown	1.7	12/ 2/49	Geo. E. France, Inc.	Gr. & P.M.S.	202,390	31,883	234,273
51-10TC18-F	Tuolumne	13	B, Sra	Bet. Jamestown & Sonora	3.3	6/ 8/51	Harms Bros.	Gr., P.M.S. on U.R.B., R.C. Culv. & Widen Stl. Br.	613,538	70,917	684,455
53-10TC5	Tuolumne	13	B	At E. of W. Entrances to Jamestown		6/25/52	Sacramento Elc. Works	Lights	5,807	752	6,559
10TC16	Tuolumne	13	Sra	On Stockton St.	0.4	1/24/47	Beerman & Jones	Gr. & P.M.S.	79,299	16,767	96,066
14TC34-FP	Tuolumne	40	A, B	Across Tuolumne Riv. at Stevens Bar	0.2	12/26/47	Elmer J. Warner	Stl. Br. & Apps.	176,403	15,463	191,866
53-10TC14	Tuolumne	40	A	At Dan's Cr. Abt. 1 Mi. SE. of Jacksonville		1/27/53	Paul E. McCollum	Widen R.C. Br. & Apps.	29,369	3,200	32,569
10T79	Tuolumne	40	B	Bet. Big Oak Flat & Chinese Camp	0.4	6/30/50	Day Labor	Gr. & R.M.S.	14,909	1,480	16,389
53-10TC11-FP	Tuolumne	40	B	Bet. Moccasin Cr. Rd. & Priest	3.8	10/15/52	Paul E. McCollum & C. L. Cypher	Gr., P.M.S. on U.R.B.	372,229	40,000	412,229
53-14TC20-FP	Tuo, Cal	65	A, C	See Calaveras County							
53-14TC13	Tuolumne	65	B	Across Moccasin Cr. Abt. 4.6 Mi. S. of Jct. Rtes. 64 & 40	0.3	7/ 7/52	Beerman & Jones	R.C. Br., Gr. & P.M.S. on U.R.B. on Apps.	70,117	11,000	81,117
52-10T10	Tuo, Mpa	110	A, B, A, B	Bet. Stanislaus Co. Line & Coulterville (Por.)	3.4	9/19/51	Day Labor	Gr. & Pen Tr.	24,998	2,696	27,694
10T80	Tuo, Mpa	110	B, B	Bet. Stanislaus Co. Line & Coulterville (Pors.)	3.0	7/ 3/50	Day Labor	Gr., Selected Surf., & Pen. Tr.	24,993	2,368	27,361

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
10DC10-P	Tuolumne	FAS 919		Bet. Rte. 13 & Stanislaus Co. Line	12.6	3/ 8/50	Chittenden & Chittenden	Gr. & Pen. Tr. & Sl. Ct.	$167,202	$28,408	$195,610
	Tuolumne			Various Locations				Minor Contrs. & D.L. Projs.	29,955		29,955
51-7VC13-F	Ven, L.A.	2	A, C	See Los Angeles County							
53-14VC15-F	Ventura	2	B	Over Tracks of S.P. Co., 5th St. & Rte. 153 at Camarillo		10/15/52	Geo. W. Peterson & Jack W. Baker	R.C. & Stl. OH. & Sep. Struct. & Apps.	537,885	67,000	604,885
53-7V25	Ventura	2	B	Bet. Calleguas Rd. & Central Ave.		3/17/53	Day Labor	Subsealing	5,662		5,662
54-7VC8	Ventura	2	B	On Ventura Blvd. Bet. Callegus Rd. & Central Ave.		7/15/53	Elec. & Mach. Serv., Inc.	Lights & Illuminated Signs	34,223	1,100	35,323
53-7VC51-F	Ventura	2	B, C	Bet. Calleguas Rd. & 0.4 Mi. W. of Central Ave.	5.7	4/20/53	Griffith Co.	Gr., P.M.S. on C.T.B., 3 R.C. Brs.	1,203,168	120,000	1,323,168
7VC30-F	Ventura	2	C, Ven	Bet. Montalvo & Ventura	3.4	2/ 4/47	J. E. Haddock, Ltd.	Gr. & P.C.C. & P.M.S.	601,138	63,453	664,591
7VC32-F	Ventura	2, 9, 79	C, A, Ven	At Intr. of Ventura Blvd. & Telephone & Telegraph Rds.		3/24/47	L. H. Leonardi Elc. Const. Co.	Signals	36,485	1,523	38,008
7VC61-F	Ventura	2, 60	C, B	Jct. Rte. 2 & Rte. 60 near El Rio	1.3	2/20/48	Smith-Edmondson Co.	Gr., P.M.S. on P.C.C. Base & Chnlz.	169,552	22,654	192,206
0-7VVC8	Ventura	2	C	At Montalvo Truck Scales		2/ 8/49	Elec. & Mach. Serv., Inc.	Lights & Height Gauges	3,736	286	4,022
7VC69	Ventura	2, 60	C, B	Jct. Rte. 2 & Rte. 60 near El Rio		3/29/48	Tri-Cities Elc. Serv.	Signals	21,628	1,408	23,036
7VC83	Ventura	2	C	1.1 Mi. W. of Montalvo		6/29/48	Jesse S. Smith & A. A. Edmondson	Scales & Apps.	47,755	3,673	51,428
1-7VC121	Ventura	2	C	Bet. Montalvo & Ventura	1.8	6/ 1/49	Baker & Pollock	P.M.S.	56,670	6,647	63,317
51-7VC18	Ventura	2	C, Ven	Bet. Montalvo & Ventura	3.0	11/ 8/50	Stephen L. Vistica	Roadside Development	5,353	563	5,916
51-7VC53	Ventura	2	C	From Santa Clara Riv. Br. through Montalvo	1.3	5/23/51	Fredericksen & Kasler	Gr. & P.M.S. on C.T.B.	400,049	47,595	447,644
51-7VC56	Ventura	2	C	From Santa Clara Riv. Br. through Montalvo		6/28/51	Elc. & Mach. Serv., Inc.	Lights	7,825	900	8,725
52-7VC35	Ventura	2, 154	C, A	At Intrs. Ventura Blvd. with Saviers Rd.-Vineyard Ave.		3/24/52	C. D. Draucker, Inc.	Signals & Lights	13,620	1,525	15,145
52-7VC39	Ventura	2	C	On Ventura Blvd. at the Montalvo Scales	0.5	4/25/52	Baker & Pollock	Gr. & P.M.S.	35,431	1,995	37,426
7VC84	Ventura	2	F	Bet. Seacliff & Mussel Shoal	1.2	6/29/48	Clyde W. Wood, Inc.	Gr. & P.M.S.	1,117,122	76,831	1,193,953
51-7VC43	Ven, Ker, L.A.	2, 4	F, A, A, D, J	See Los Angeles County							
1-5VC32-F	Ven, S.B.	2	G, H	Bet. 0.2 Mi. E. of Ventura Co. Line & 0.2 Mi. E. of Carpinteria	2.5	10/11/49	Granite Const. Co.	Gr., P.M.S. & Widen OH. RR Xing	695,257	98,073	793,330

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
7VC77	Ventura	2	Ven	In Ventura	-----	6/11/48	Tri-Cities Elc. Serv.	Signals	$38,779	$2,048	$40,827
51-7VC2	Ventura	2	Ven	Bet. E.C.L. & San Jon Rd.	1.3	4/ 1/50	Griffith Co.	P.M.S.	33,359	2,257	35,616
51-14VC8	Ventura	9	A, B, C	Various Locations	-----	11/ 9/50	Norman I. Fadel	R.C. Br. & Widen 6 R.C. Brs.	92,275	17,133	109,408
52-7VC1	Ventura	9	A	Bet. Rte. 2 & Santa Clara Riv.	3.9	4/ 2/51	Conrad Const. Co., Inc.	P.M.S.	39,272	3,840	43,112
7V153	Ventura	9	C	At Santa Susana Pass	0.9	11/ 2/49	Day Labor	Widen & Resurf.	34,766	1,457	36,223
52-7V33	Ventura	9	C	Across Arroyo Simi	-----	4/15/52	Day Labor	Repair Br.	6,995	209	7,204
7V63	Ventura	60	A	Bet. Oxnard & Big Sycamore	-----	3/31/47	Day Labor	Asphalt Subseal & Shldrs.	8,344	----------	8,344
7VC36	Ventura	60	A	Bet. Oxnard & Big Sycamore Cr.	5.7	5/ 5/47	Baker & Pollock	Resurf. with P.M.S.	87,190	6,202	93,392
52-7V21	Ventura	60	A	At Black Point & Big Sycamore Cr.	0.1	1/ 3/52	Day Labor	Repair Storm Damage	37,072	755	37,827
52-7VC41	Ventura	60	A	Bet. Point Mugu & Little Sycamore Cr.	-----	6/ 5/52	J. B. Stringfellow Co.	Riprap	164,405	18,000	182,405
53-7VC43	Ventura	60	A	Bet. Point Mugu & Little Sycamore Cr. (Por.)	0.3	2/ 2/53	J. B. Stringfellow	Riprap	215,829	27,000	242,829
0-14VC74	Ventura	60	B	0.5 Mi. W. of El Rio	-----	11/ 5/48	Grant L. Miner	Widen Stl. UP.	122,345	14,542	136,887
0-7VC126	Ventura	60	B, Oxn	Bet. Rte. 2 & Oxnard	2.1	6/18/49	Griffith Co.	Gr., A.C. & P.C.C.	239,992	34,803	274,795
0-7VC129	Ventura	60	B	Oxnard Blvd. at Saviers & Gonzales Rd.	-----	6/28/49	Tri-Cities Elcl. Serv., Inc.	Signals & Lights	11,699	1,606	13,305
7VMC24	Ventura	60	Oxn	On Oxnard Blvd.	-----	4/22/48	Elc. & Mach. Serv., Inc.	Signals	11,536	----------	11,536
1-7VC142	Ventura	60	Oxn	Bet. N.C.L. & S.C.L.	1.9	1/ 3/50	Baker & Pollock	Gr. & A.C.	269,346	34,564	303,910
1-7VC145	Ventura	60	Oxn	At Saviers Rd.-Wooley Rd.	-----	1/30/50	Westates Elcl. Const. Co.	Signals & Lights	12,538	1,138	13,676
54-7VC34	Ven, L.A.	60, 2	Oxn, C	See Los Angeles County							
7X48	Ventura	79	A	Bet. Sta. 486 & Sta. 513	0.5	2/21/46	Day Labor	Improve Drainage	5,194	----------	5,194
7XC34	Ventura	79	A	Bet. Ellsworth Barranca & Santa Paula	4.0	5/ 9/47	O'Brien & Bell Const. Co.	P.M.S. & Shldrs.	23,927	1,191	25,118
1-7VC123	Ventura	79	A	Bet. Wells Rd. & Ellsworth Barranca	1.4	6/ 7/49	C. J. B. Const. Co.	Widen & Resurf. with P.M.S.	33,486	4,310	37,796
53-14VC20	Ventura	79	B	At Haun Cr.	-----	6/23/53	Norman I. Fadel	R.C. Br., Apps. & Drainage Facilities	56,125	5,600	61,725
55-7VC4	Ventura	79, 138, 151	B, B, D	Various	5.8	5/ 4/54	Baker & Pollock	P.M.S.	20,179	2,000	22,179
54-7VC43	Ventura	79	C	At 1.5 Mi. W. of Los Angeles Co. Line	-----	12/ 3/53	J. B. Stringfellow Co.	Riprap Bank Protection	9,416	900	10,316
54-7VC1	Ventura	79	Ven, A	Bet. Rte. 2 & Rte. 154	3.4	4/ 1/53	Baker & Pollock	P.M.S.	47,302	4,300	51,602
1-7VC124	Ventura	138	A	Bet. 2.5 Mi. & 6.4 Mi. N. of Ventura City Limits	4.0	6/ 6/49	Frank T. Hickey, Inc.	Gr. & P.M.S.	92,765	10,800	103,565
53-7VC16	Ventura	138	A	Bet. Oakview Ave. & Rte. 151	2.3	8/ 7/52	Jesse S. Smith	U.R.B., P.M.S., Sl. Ct.	45,820	6,146	51,966

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
7XL14	Ventura	138	B	Across N. Fk. Matilija Cr., Br. No. 52-173		5/27/46	Day Labor	Stl. Br.	$30,526	$1,412	$31,938
7V136	Ventura	138	B	Across Matilija Cr.	0.2	10/22/48	Day Labor	R.C. Br.	59,540	4,228	63,768
54-7VC6	Ventura	138	B	Bet. Alvarado Ave. in Meiners Oaks & Matilija Hot Springs Rd.	2.7	7/ 3/53	W. F. Maxwell & Hermreck & Easter	Gr., P.M.S. on U.R.B., 1 R.C. Br. 1 St. & Conc. Br.	312,887	31,000	343,887
54-14VC3	Ven, S.B	138	E, A	Bet. 9.6 Mi. SE'ly & 7.1 Mi. NW'ly of Ventura-Santa Barbara Co. Line	0.5	5/ 5/53	Thomas Const. Co.	5 R.C. Brs., Gr. & R.M.S. Apps	141,883	14,000	155,883
7V100	Ventura	138	Ven	Bet. Main St. & N.C.L.	0.7	1/17/48	Day Labor	Resurf.	7,935		7,935
51-7VC40-P	Ventura	138	Ven	At Main St., Park Row Ave., Center St., & Ramona Ave.		2/19/51	Clinton Elc. Corp.	Signals	13,388	1,191	14,579
1-7VC119	Ventura	153	B	Bet. Rte. 2 & Rte. 9	4.1	5/26/49	Frank T. Hickey, Inc.	Resurf. with P.M.S., I.B.M. & B.S.T.	28,511	7,432	35,943
52-7VC34	Ventura	153	Oxn	Bet. Oxnard Blvd. & E.C.L.	0.6	3/18/52	Baker & Pollock	Gr. & P.M.S. on U.R.B.	73,943	12,300	86,243
52-14VC21	Ventura	155	B	Across Arroyo Las Posas, 0.5 Mi. S. of Moorpark	0.1	6/27/52	O. B. Pierson	R.C. Br. & Gr. & P.M.S. on Apps.	69,923	7,786	77,709
54-7VVC1	Ventura	155	B	Bet. Sta. 312 & Sta. 340 near Moorpark		11/ 3/53	Daniel W. Thaxton	C.M.P. Culvs.	2,381	230	2,611
54-7DC3	Ventura	FAS 867		On Hueneme Rd. Bet. State Rte. 60, Abt. 5 Mi. E. of Port Hueneme & Wood Rd.	0.8	11/12/53	Baker & Pollock	P.M.S. on U.R.B. & I.B.	37,710	3,300	41,010
7DC3	Ventura	FAS 868		On Pleasant Valley Rd. & Wood Rd. Bet. Ventura Co. R.R. & Ventura Blvd.	6.5	6/26/47	Frank T. Hickey, Inc.	P.M.S.	154,539	14,419	168,958
54-7DC4	Ventura	FAS 871		On Santa Clara Ave. Bet. Central Ave. & State Hwy. Rte. 9	1.5	11/13/53	Baker & Pollock	Gr. & P.M.S. on U.R.B.	73,512	6,561	80,073
52-14DC7-P	Ventura	FAS 876		Across Santa Clara Riv. at Santa Paula	0.2	8/30/51	O. B. Pierson	Stl. & R.C. Br. & P.M.S. on U.R.B. on Apps.	435,887	20,000	455,887
7DC1	Ventura	FAS 877		On Las Posas Rd., Bet. State Hwy. Rte. 2 & State Hwy. Rte. 153	4.3	12/ 9/46	MacDonald & Kruse, Inc.	P.M.S.	68,575	6,042	74,617
	Ventura			Various Locations				Minor Contrs. & D.L. Projs.	84,210		84,210

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
3WC7	Yolo	6, 99	A, B	Bet. 1 Mi. E. of Davis & Swingle & Bet. 2.25 Mi. N. of Arcade Sta. & Jct. Rte. 6	7.3	5/22/46	A. Teichert & Son, Inc.	Repair with P.M.S. & C.R.B.	$74,047	$5,182	$79,229
1-3TC71	Yolo	6	B	On Yolo Causeway	3.1	2/11/50	Grason Elc. Co.	Lights	31,528	2,724	34,252
51-3TC5	Yolo	6	B	S. Half of Yolo Causeway	2.6	6/22/50	Brighton Sand & Gravel Co.	Resurf. with P.M.S.	14,485	1,030	15,515
53-3TC15-F	Yolo	6	B, C	Bet. Yolo Causeway & Tower Br.	4.0	4/17/53	Ukropina, Polich, Kral & Ukropina	Gr., P.C.C. & R.C. Br.	1,187,499	119,000	1,306,499
51-3TC6-F	Yolo	6, 99	C, B	Intrs. Rtes. 6 & 99	0.5	6/27/50	Charles MacClosky & Harms Bros.	Gr., P.M.S. on C.R.B. & 2R.C. Gr. Seps. & Apps.	248,956	32,349	281,305
3T98	Yolo	6	C	Bet. Sta. 701± & Sta. 743±	0.8	7/ 6/50	Day Labor	Reprocess A.C.	14,312	1,003	15,315
51-14TC13-F	Yolo	6	C	On W. Sacramento Frwy., Over Yolo Causeway Off Ramp	-----	8/18/50	Charles MacClosky & Harms Bros.	R.C. UC.	97,667	11,987	109,654
51-3TC11	Yolo	6	C	Bet. Jefferson Blvd. & Park Blvd.	0.4	9/14/50	Brighton Sand & Gravel Co.	C.R.B. & P.M.S.	9,829	1,427	11,256
51-14TC21-F	Yolo	6	C	On W. Sacramento Frwy., Over Jefferson Blvd.	0.2	11/ 8/50	Charles MacClosky & Harms Bros.	Gr., P.M.S. on C.R.B., & R.C. OC.	87,246	9,562	96,808
51-14TC22	Yol, Sac	6	C, Sac	Across Sacramento Riv.	-----	11/28/50	A. Teichert & Son, Inc.	P.C.C. Curbs	8,872	1,148	10,020
51-14TC23-F	Yolo	6	C	Bet. Yolo Causeway & Tower Br.	0.8	12/14/50	A. Teichert & Son, Inc.	R.C. OC., Stl. UP., & R.C. & Stl. UP. & OC., Ramps & Detours	401,019	49,188	450,207
52-3TC14	Yolo	6	C	On W. Sacramento Frwy. Bet. Yolo Causeway & 0.8 Mi. W. of Tower Br.	3.3	10/19/51	United Conc. Pipe Corp.	Gr.	623,518	55,189	678,707
52-3TC16	Yolo	6	C	Bet. Washington UP. & Tower Br.	0.6	11/15/51	Brighton Sand & Gravel Co.	Gr. S.N. Ry. Roadbed & Drainage Structs.	23,293	5,722	29,015
52-14TC24-F	Yolo	6	C	West Sacramento Frwy. near Sacramento at 3d St. W. of Tower Br.	-----	6/20/52	B. J. Ukropina, T. P. Polich, Steve Kral	R.C. UC.	78,943	10,308	89,251
53-3TC7	Yolo	6	C	Bet. 2 Mi. E. of Yolo Causeway & Merkley Ave.	0.6	8/ 6/52	McGuire & Hester	Storm Drainage System	33,304	3,222	36,526
52-3TC25-F	Yolo	6	C	Bet. 0.8 Mi. & 0.1 Mi. W. of Tower Br.	0.7	6/27/52	B. J. Ukropina, T. P. Polich & Steve Kral	Gr., P.C.C. & Pump. Plant	182,790	14,700	197,490
1-10TC 8	Yol, Sol	6	E, A	See Solano County							

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
3WC10	Yolo	7, 87	A, Wd, A	Bet. 1.25 Mi. N. of Solano Co. Line & Woodland & Bet. 3.75 Mi. N. of Woodland & 1 Mi. S. of Knights Landing	9.2	4/16/47	McGillivray Const. Co.	P.M.S. & Sl. Ct.	$87,174	$7,553	$94,727
3WC12	Yolo	7, 87	A, A	Bet. 1.9 Mi. N. of Solano Co. Line & 1.6 Mi. S. of Woodland & Bet. 0.3 Mi. & 3.9 Mi. N. of Woodland	4.9	6/18/47	McGillivray Const. Co.	P.M.S.	45,613	2,282	47,895
14TC13	Yol, Sol	7	A, E	See Solano County							
0-3TC48	Yolo	7, 87	A, B, Wd, A	Bet. Putah Cr. & Zamora & Bet. Woodland & Knights Landing	24.6	4/10/48	Munn & Perkins	Gr. & P.M.S.	45,792	5,445	51,237
3T89	Yolo	7	A	S.P. Crossing at Mullen	-----	1/13/49	Day Labor	Improve Crossing	5,653	670	6,323
1-14TC70	Yolo	7	A, B, C	Bet. Putah Cr. & Colusa Co. Line	-----	7/ 1/49	Grant L. Miner	4 R.C. Brs. & Extend 29 Culvs.	148,519	18,170	166,689
51-14TC15	Yol, Sol	7	A, E	See Solano County							
3TC25	Yolo	7	B, C	Bet. Cache Cr. & Dunnigan	14.0	5/22/46	Fredrickson Bros.	Repair with P.M.S. & C.R.B. & Place I.B. on Shldrs.	153,896	10,552	164,448
1-3TC68	Yolo	7	B, C	At Zamora	1.2	8/ 2/49	Fredrickson Bros.	Gr. & P.M.S.	133,570	13,196	146,766
3T65	Yolo	7	C	Bet. Zamora & Hershey	10.9	4/17/47	Day Labor	Prime & Seal Shldrs.	11,194	57	11,251
54-14TC25-FP	Yolo	50	B, C	Bet. 9.3 Mi. S. of Rumsey & 7.8 Mi. W. of Esparto	-----	8/11/53	W. C. Railing	Gr., P.M.S. on U.R.B., R.C. Br., R.C. Culv., Widen 2 R.C. Brs.	103,643	10,360	114,003
1-3TC61	Yolo	50	C	Across Saltroyer & Salt Crs.	0.7	5/11/49	O'Conner Bros.	2 R.C. Culvs. & P.M.S. on Apps.	44,447	7,029	51,476
53-3TC8	Yolo	50	C, D	Bet. Esparto & Browns Corner	12.2	8/25/52	Al. Erickson & Co. & W. C. Railing	I.B.M. & Seal Borders, Widen Drainage Structs.	175,843	17,206	193,049
14WLC32	Yolo	50	E	Across Tule Canal, Abt. 6 Mi. E. of Woodland	-----	6/25/46	M. A. Jenkins	R.C. Br. & Apps.	87,102	9,317	96,419
3WC13	Yolo	50	E	At W. Side of Yolo Bypass	0.1	7/29/47	H & D Cost. Co.	Gr. & B.S.T.	33,813	3,808	37,621
52-3TC23	Yolo	50	E, F	Bet. 0.5 Mi. N. of Kiesel & 2 Mi. S. of Kiesel	2.4	6/10/52	A. Teichert & Son, Inc.	Gr. & P.M.S.	233,128	25,743	258,871
3TC53	Yolo	50	F	At N. End of Sacramento Wier	0.2	5/27/48	A. Teichert & Son, Inc.	Gr. & P.M.S. on I.B.	14,797	2,131	16,928
54-3TC7	Yolo	50	F	Near Monument School Abt. 5.8 Mi. NW'ly of Sacramento	0.4	7/31/53	W. C. Railing	Gr. & P.M.S. on C.T.B.	22,463	2,000	24,463
52-3TC4	Yolo	50	Wd, E	Bet. Woodland & Yolo Bypass	5.1	5/ 9/51	A. Teichert & Son	Gr. & P.M.S. on I.B.M. on Borders	138,136	10,882	149,018

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
3WC8	Yolo	87	A	Bet. Woodland & Knights Landing	9.5	6/27/46	Folsom & Drollinger	C.R.B. on Borders	$35,221	$2,313	$37,534
1-14TC63	Yolo	87	A	Across Sacramento Riv. at Knights Landing		4/ 1/49	B. S. McElderry	Repair Stl. Truss Br.	34,393	2,222	36,615
54-14TC5	Yolo	87	A	Across Knights Landing Ridge Cut, Abt. ½ Mi. SW. of Knights Landing		4/ 1/53	James W. Hill	Widen R.C. Br.	26,344	2,600	28,944
1-3TC59	Yolo	90	A, B	Bet. Winters & Rte. 7	16.1	4/19/49	McGillivray Const. Co.	I.B. & B.S.T.	123,491	13,326	136,817
54-3TC5	Yolo	90	Win, A	Bet. Winters & Madison	10.8	7/24/53	A. Teichert & Son, Inc.	P.M.S. & Widen 4 Conc. Slab Brs.	112,723	11,270	123,993
3WC11	Yolo	99	A	Bet. Solano Co. Line & 2 Mi. S. of Irrig. Canal	8.9	5/15/47	McGillivray Const. Co.	I.B. on Shldrs.	27,665	1,282	28,947
14DC7	Yolo	FAS 1154 1152		Across Moody Slough & Cache Cr.		3/ 7/47	Chittenden & Chittenden	2 R.C. Brs.	74,252	4,078	78,330
14DC39	Yolo	FAS 1155		Across Cache Cr.		8/ 9/48	Chas. T. Brown Co.	Reconst. R.C. Br.	71,471	6,040	77,511
3DC8	Yolo	FAS 1156		Bet. Rte. 99 & Clarksburg	4.5	5/ 6/48	A. Teichert & Son, Inc.	Gr. & Pen. Tr.	93,351	4,236	97,587
14DC31	Yolo	FAS 1158		Across Knights Landing Ridge Cut Canal		11/17/47	Chittenden & Chittenden	Timber Br.	50,243	3,863	54,106
52-3DC5	Yolo	FAS 1167		Bet. Co. Rd. 29 & Co. Rd. 27 Abt. 6 Mi. S. of Woodland	2.0	8/14/51	W. C. Railing	P.M.S. on U.R.B. & Pen. Tr. on Shldrs.	64,909	3,992	68,901
52-3DC9	Yolo	FAS 1167		Bet. Co. Rd. 27 & 1 Mi. N., Abt. 4 Mi. S. of Woodland	1.0	11/ 7/51	W. C. Railing	P.M.S. on U.R.B. & Pen. Tr. on Shldrs.	32,379	2,684	35,063
	Yolo			Various Locations				Minor Contrs. & D.L. Projs.	25,071		*25,071
3T43	Yuba	3	A	Across Grasshopper Slough Overflow		4/22/46	Day Labor	Replace Timber Br. with C.M.P. Culv. & Fill	5,344		5,344
1-3TC65	Yub, Pla	3	A, B	See Placer County							
52-3TC8	Yuba	3	A	Bet. Wheatland & Morrison's Crossing	2.4	6/ 7/51	Claude C. Wood Co.	B.S.T. on Shldrs.	7,213	708	7,921
3TC18	Yub, Sut	3, 87	B, A, B	On Rte. 3 Bet. Morrison's Crossing & Linda Corners, Bet. Yuba City & Lomo, & on Rte. 87, Bet. Sutter By-pass & Tudor Rd.	12.2	6/ 4/45	Lester L. Rice	Repair with I.B. & P.M.B.M.	100,700	5,463	106,163

COMPLETED CONTRACTS—June 30, 1954—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Const. cost	Const. engr.	Total
0-14TC68	Yuba	3	B, Mvl	Across Yuba Riv.	-----	6/ 7/49	Underground Const. Co.	Repair Conc. Br.	$99,658	$2,098	$101,756
3T94	Yuba	3	B, Mvl	Yuba Riv. Br. on D St., Br. No. 16-08	-----	11/18/49	Day Labor	Repair Conc. Br.	5,424	----------	5,424
14TC5	Yub, Sut	3	Mvl, Y.C	Bet. I St. in Marysville & Market St. in Yuba City	0.9	12/19/45	J. H. Pomeroy & Co., Inc.	Stl. Br. & Apps.	1,853,359	84,327	1,937,686
3TC28-F	Yub, Sut	3	Mvl, Y.C	Bet. D St. Br. in Marysville & Rte. 15 in Yuba City	2.0	6/22/46	Lester L. Rice	Gr. & A.C. on C.T.B.	671,738	55,995	727,733
3TC42	Yub, Sut	3	Mvl, Y.C	Bet. D St. Br. & Rte. 15 in Yuba City	-----	11/ 5/47	Tri-Cities Elc. Serv.	Signals & Lights	83,160	3,561	86,721
3TC47	Yub, Sut	3	Mvl, Y.C	Bet. D St. Br. & Live Oak Rd.	2.0	2/17/48	Huettig & Schromm	Landscape	38,885	8,039	46,924
1-3TC72-P	Yuba	3, 15	Mvl	At. 10th & E Sts. & on 9th St. Bet. E St. & B St.	0.3	5/11/50	Rice Bros., Inc.	P.M.S. on C.R.B.	19,556	1,674	21,230
52-3TC12-P	Yuba	3, 15	Mvl	On 10th St. at H St. & I St. on 9th St. at B St.	-----	8/14/51	L. H. Leonardi Elc. Const. Co.	Signals, Lights & Median Strip.	24,297	576	24,873
53-3TC3	Yuba	15	A	Bet. 0.3 Mi. W. & 1.6 Mi. E. of Seven Mile House	1.7	6/ 4/52	Rice Bros., Inc.	R.M.S. & Base	27,437	2,566	30,003
52-14T10	Yuba	15	B	Yuba Riv. Br. at Parks Bar	-----	7/16/51	Day Labor	Repair Piers	50,363	4,105	54,468
53-3T19	Yuba	15	B	At Parks Bar Br.	-----	2/16/53	Day Labor	Riprap	5,939	----------	5,939
52-3TC22	Yuba	15	Mvl, A	At NE'ly C.L. of Marysville	0.2	6/ 9/52	Rice Bros., Inc.	Gr., U.R.B., & Sl. Ct.	19,288	2,423	21,711
53-3TC14	Yuba	15, 87	Mvl	Intrs. 12th St. with B St.	-----	12/ 9/52	Sacramento Elc. Works	Signals & Lights	12,468	797	13,265
1-3TC67	Yub, Sie	25	A, A	Bet. 0.3 Mi. W. & 2.6 Mi. E. of Yuba-Sierra Co. Line	2.1	11/ 9/49	Louis Biasotti & Son	Gr., B.S.T. & Sl. Ct.	294,989	37,124	332,113
14WLC37	Yuba	87	A	Across Simmerly Slough	-----	7/11/46	Lord & Bishop	Reconstruct Timber Br.	13,641	1,135	14,776
51-3TC7	Yuba	87	A	Bet. Marysville & Butte Co. Line	0.7	7/ 6/50	Rice Bros., Inc.	Gr., P.M.S., & P.C.C. Struct.	30,797	4,658	35,455
52-3TC2	Yuba	87	A	Bet. Simmerly Slough & 0.4 Mi. S. of Butte Co. Line	8.4	4/25/51	Rice Bros., Inc.	U.R.B. & P.M.S.	234,996	10,478	245,474
3DC10	Yuba	FAS 526	----------	Bet. N. of Stanfield Hill & S. of Frenchtown Rd.	4.1	10/ 6/48	A. R. McEwen	Gr., I.B., Pen. Tr. & Seal	179,410	18,646	198,056
52-3DC2	Yuba	FAS 526	----------	Bet. 5 Mi. E. of Browns Valley & 0.9 Mi. E. & Bet. 7 Mi. E. of Stanfield Hill & Frenchtown Rd.	2.8	5/ 9/52	Richter Bros.	Gr. & Pen. Tr.	112,808	14,484	127,292
14DC21	Yuba	FAS 921	----------	Bet. Plumas School & FAS Rte. 922	1.2	9/10/47	H. Earl Parker, Inc.	Gr., I.B. & 2 R.C. Brs.	91,079	12,262	103,341
----------	Yuba	-------	----------	Various Locations	-----	----------	----------	Minor Contrs. & D.L. Projs.	18,075	----------	18,075

INCOMPLETE CONTRACTS

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
53-4TC23-F	Ala, SCl	5, 69	C, A, E	See Santa Clara County					
54-10TC28-F	Ala, S.J	5	E, A; A	Bet. 2 Mi. E. of Redmond OH & W.C.L. of Tracy	8.4	6/11/54	Gordon H. Ball & San Ramon Valley Land Co. & Clements & Co.	Gr. & P.C.C., P.M.S.	$1,076,908
54-4TC57	Alameda	5, 108	F.A	Along & Across Arroyo Seco & Arroyo Las Positas at Livermore Bypass		4/27/54	Gene Richards, Inc.	Revise R.C. Br. R.C. Br. & Timber Br.	99,022
54-4TC9-F	Alameda	5	G	Bet. Crow Canyon Rd. & 0.1 Mi. E. of Foothill Blvd.	2.2	6/4/53	Fredrickson Bros.	Gr., P.C.C. on C.T.S., 4 R.C. UC's. & R.C. Ped. UC.	1,270,050
54-14TC40-F	Alameda	5, 69	Oak	At the S.F-Oak Bay Br. Dist. Struct.		3/5/54	MacDonald, Young & Nelson, Inc. and Morrison-Knudson Co., Inc.	Stl. & R.C. Additions	4,495,462
54-4TC61	Alameda	69, 107	A, A	Intrs. Rte. 69 with Thornton Ave. & with Jarvis-Decoto Rd.		5/4/54	Howard Electric Co.	Signals, Lights & Chnlz.	31,970
54-4T7	Ala, SCl	69, 5	E, C; A	See Santa Clara County					
54-4T17	Alameda	69, 206	Emv, Ber, Alb	S. of Ashby Ave. to El Cerrito OH.		6/24/54	Day Labor	Signs & Stripes	8,000
54-4TC41-F	Alameda	69, 206	Emv, Ber, Alb, Emv, Ber	Bet. Ashby Ave. & El Cerrito OH.	3.0	11/6/53	Peter Kiewit Sons' Co.	Gr., P.C.C. on C.T.S., R.C. OC. & 2 R.C. Sep. Structs.	4,805,534
52-4TC37-F	Alameda	69	Oak, Emv	Eastshore Frwy., Bet. Distr. Struct. & Ashby Ave.	1.5	6/24/52	Peter Kiewit Sons' Co.	Gr., P.C.C., R.C. OC. & R.C. UC.	2,766,619
54-4TC62	Alameda	69	Oak	Bet. San Leandro Cr. & High St.	3.4	5/4/54	Justice-Dunn Co.	Roadside Development	32,177
54-4T13	Alameda	69, 5	Oak	At the Distribution Structure		5/3/54	Day Labor	Signs & Stripes	15,000
54-4T8	Alameda	69	Oak, Emv	Eastshore Frwy. Distribution Structure to Ashby Ave.		3/11/54	Day Labor	Signs & Stripes	6,500
54-SMAC3	Ala, S.M	105	A, B	See San Mateo County					
54-4TC64-F	Alameda	228, 5	A, G	Bet. 0.4 Mi. E. of Foothill Blvd. & Jct. Rte. 69		6/16/54	Ball & Simpson; Erickson, Phillips & Weisberg; Arthur Weisberg & Roscoe Phillips	Gr. & P.C.C., P.M.S., 8 Stl. & R.C. Sep. Str.	2,899,203

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-4TC9	Ala, SCl C.C.	Var	Var	See Contra Costa County					
	Alameda			Various Locations				Minor D.L. Projects	$47,182
55-10TC17	Alpine	24, 23	C; C, D	Bet. Centerville Br. & Markleeville	6.6	6/18/54	Arthur B. Siri, Inc.	I.S.M., I.B.M. & R.M.S.	150,956
	Alpine			Various Locations				Minor D.L. Projects	2,675
55-10TC15	Amador	34, 65	B, Jkn, A	Bet. 0.5 Mi. E. of Ione & Jackson & Bet. Central House & El Dorado C.L. (Pors.)	8.2	5/25/54	Claude C. Wood Co.	P.M.S.	39,424
54-10T5	Amador	34	C	New York Ranch Rd.		2/16/54	Day Labor	Maintain Detour	7,500
54-10TC21	Amador	34	C	Bet. Jackson & One Mi. W. of Pine Grove	6.3	12/17/53	Clyde W. Wood & Sons Inc.	Gr. P.M.S. on C.T.B. & Widen Stl. & R.C. Br.	570,397
55-10TC1	Amador	97	A	Bet. San Joaquin Co. Line & 2.3 Mi. E'ly.	2.3	4/1/54	C. V. Kenworthy	Gr. & P.M.S. on U.R.B.	171,973
	Amador			Various Locations				Minor D.L. Projects	11,241
54-3TC8	Butte	3	B, C	Bet. Oroville Wye & Jct. of Rte. 87 N. of Oroville	9.1	11/23/53	B. J. Ukropina, T. P. Polich, Steve Kral & John R. Ukropina	Gr. & P.M.S. on U.R.B. & C.T.B.	767,716
55-2TC9-P	But, Plu	21	C; A, B	Bet. Jarboe Pass & Spanish Cr.	12.7	5/27/54	Clements Constr. Co.	P.M.S.	117,160
55-3TC4	But, Gle	87, 21; 45, 88	Var	See Glenn County					
54-3DC4-P	Butte	FAS 758		Bet.1.6 Mi. W. of Rte. 87 & Rte. 87 at Robinson Corner	1.6	6/14/54	Baldwin Contracting Co.	Gr. & P.M.S. on U.R.B.	77,296
	Butte			Various Locations				Minor D.L. Projects	7,620
54-10TC23	Calaveras	24, 65	B; A, B	Through San Andreas	1.6	5/21/54	M. J. Ruddy & Son	Gr. & P.M.S. on U.R.B.	282,845
54-10DC4	Calaveras	FAS 952 953		Bet. Mountain Ranch & 2.7 Mi. N.	2.7	11/23/53	Joe Vicini	Gr., I.S.M. & Pen. Trt.	91,000
	Calaveras			Various Locations				Minor D.L. Projects	0

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-14TC4	Col, Gle	7	B, B	Bet. 0.5 Mi. N. of Williams & Wilson Cr., at Salt Cr., Freshwater Cr., Lurline Canal & Wilson Cr.		5/4/54	James H. McFarland	Widen 4 R.C. Brs. & Apps.	$56,881
	Colusa			Various Locations				Minor D.L. Projects	0
53-10T16	C.C, Sol, S.J.	11, 53, 208, 5, 53, 75	Var	See Solano County					
54-14TC28	Contra Costa	14, 69	Rch, SPb, C	Across Track at A.T. & S.F. Ry. Co. at 47th St. in Richmond & at San Pablo Cr.		10/22/53	MacDonald, Young & Nelson, Inc.	R.C. OH. & R.C. Arch Culv.	387,844
54-4T11	Contra Costa	75	A	0.5 Mi. W. to 0.7 Mi. E. of Orinda Jct.		3/26/54	Day Labor	Signs & Stripes	9,000
54-4TC32	Contra Costa	75	A	Bet. 0.5 Mi. W. of 0.7 Mi. E. of Orinda Jct.	1.2	9/22/53	Fredrickson & Watson Construction Co. & M & K Corp.	Gr. P.C.C. on C.T.S. & R.C. Br.	1,569,901
54-4TC58	Contra Costa	75	B, H	Bet. 600 Ft. S. of Boyd Rd. & 400 Ft. N. of Gregory Lane	0.5	4/26/54	Gallagher & Burk, Inc.	Gr., P.M.S. on C.T.B., Signals & Lights	227,646
55-4TC5	Contra Costa	75	C	Bet. 0.1 Mi. W. of Hillcrest Ave. & 0.8 Mi. W. of Oakley	2.3	4/1/54	Lee J. Immel	Gr., U.R.B. & P.M.S.	85,899
54-4TC54	Contra Costa	75	F	At Intrs. Loveridge Rd. with Rte. 75 abt. 0.7 Mi. E. of Pittsburg	0.3	3/31/54	Gallagher & Burk, Inc.	Gr., P.M.S. on C.T.B. & Stl. & R.C. Br.	284,524
54-4TC55	Contra Costa	75	F, Pit, Ant	Bet. Port Chicago Rd. & Lone Tree Way in Antioch	8.2	3/31/54	Diablo View Gardens	Protective Screen Planting	14,202
53-4T14	Contra Costa	75	Pit, F, Ant	Bet. Railroad Ave. in Pittsburg & A St. in Antioch	5.1	9/16/52	Day Labor	Signs & Stripes	6,000
55-4TC9	C.C, Ala, SCl.	Var	Var	Various	18.8	5/18/54	Lee J. Immel	P.M.S. & Asphalt Subsealing	203,823
54-4DC3-P	Contra Costa	FAS 796		Alhambra Ave. Ext. & Pleasant Hill Rd. Bet. State Hwy. Rte. 106 & 2.6 Mi. S.	2.6	11/12/53	Eugene G. Alves Constr. Co., Inc.	Gr. & P.M.S. on U.R.B.	295,600
	Contra Costa			Various Locations				Minor D.L. Projects	73,120

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-14BC3	Del Norte	1, 71	A, A	At Wilson Cr. Abt. 7 Mi. N. of Klamath & at Jordan Cr. Abt. 3.7 Mi. N. of Crescent City		8/24/53	James H. McFarland	Repair Br. & R.C. Br. & Apps.	$37,854
55-1TC1	Del Norte	1, 71	C; A, B	Bet. Rte. 1 & Smith Riv. Br. & at Westbrook Cattlepass	6.7	4/1/54	McCammon Wunderlich Co.	Gr. & 2 R.C. Cattlepasses	786,190
54-1BC1-F	Del Norte	1	D	Along Smith Riv., Portions Bet. 22.0 & 23.6 Mi. NE. of Crescent City	0.3	7/29/53	Macco Corp. & Morrison-Knudsen Co., Inc.	Concrete Selected Rock Slope Protect. on reconstructed embankments	190,287
55-1KC2	D.N, Hum	71, 20, 35, 85	Var	See Humboldt County					
54-1DC1	Del Norte	1190		Near Crescent City, Bet. State Rte. 1 & Howland Hill Rd.	1.1	8/6/53	John Burman & Sons	Gr., I.B.M. & Sl. Ct.	58,500
	Del Norte			Various Locations				Minor D.L. Projects	15,020
54-3TC10	El Dorado	11	C, Plcr	Bet. W.C.L. of Placerville & 0.2 Mi. E. of Washington St. OH.	1.3	1/15/54	Piombo Construction Co.	Gr., 2 Stl. & R.C. Ped. OC's., R.C. UC., 2 R.C. Brs. Widen Conc. & Timber Br. & 2 R.C. Brs.	876,845
	El Dorado			Various Locations				Minor D.L. Projects	16,230
54-6TC10-P	Fre, Tul	4, 76, 125; 134	C, A, C; B	Intrs. of Shaw Ave. with Blackstone Ave., US 99 with Clinton Ave., Shields Ave., Ashlan Ave., & Shaw Ave., near Fresno; & Rte. 134 with Rte. 132 near Tulare		11/25/53	A. C. Electric Co.	Lights	8,462
54-6TC15	Fresno	4	Fow	Intrs. Rte. 4 with Merced St.		4/19/54	A-C Electric Co.	Modify Signals	5,724
53-6T13	Fresno	4	Fre	Bet. Church Ave. & Broadway		12/12/52	Day Labor	Revise Watering System	6,000
55-6TC4	Fresno	4	Fre, C	In & near City of Fresno, Bet. Teilman & Princeton Aves.	2.4	6/28/54	Guy F. Atkinson	Gr., P.C.C., 2 R.C. UC's. & 2 R.C. OC's.	1,412,733
54-6TC16	Fresno	4	Fre	At Weber Ave. Over-crossing	0.2	4/26/54	Stephen L. Vistica	Roadside Development	9,468
54-6TC11	Fresno	10	A	Bet. Lone Pine Station & 2.8 Mi. W. of Hot Springs Canyon	5.2	11/16/53	John Delphia	Gr., R.M.S. on U.R.B. & R.C. Br.	524,640

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-6TTC3	Fresno	125	A	Bet. 0.7 Mi. S. of Elkhorn Ave. & Mountain View Ave.	5.1	6/11/54	Stewart & Nuss, Inc.	B.S.T. Shldrs.	$3,276
54-6T1	Fresno	132	OrCv	Second St. to Fifth St.		4/27/54	Day Labor	Surfacing, Signs, Stripe & Safety Devices	9,000
	Fresno			Various Locations				Minor D.L. Projects	51,734
55-3TC6	Gle, Col	7	A, C	See Colusa County					
55-14TC4	Gle, Col	7	B, B	See Colusa County					
54-3T2	Glenn	45	A, B	Bet. Willows & Glenn		8/5/53	Day Labor	Base & Surface	100,000
55-3TC4	Gle, But	45, 88; 87, 21	Var	Various Locations	6.8	5/14/54	P. J. Moore & Son	R.M.S.	31,432
	Glenn			Various Locations				Minor D.L. Projects	150
55-1TC2	Hum, Men	1	A; I, J, K	See Mendocino County					
54-1T5	Humboldt	1	C, D	Near Pepperwood & near Miranda		4/11/54	Day Labor	Bank Protection	100,000
54-1TC17-F	Humboldt	1	H	Bet. N.C.L. of Eureka & 0.3 Mi. N. of Gannon Slough	5.1	4/15/54	Macco Corp., Morrison-Knudsen Co., Inc. & River Construction Co.	Gr., 2 R.C. Brs. & Widen 2 R.C. Brs.	868,116
55-1TC9	Humboldt	1	H, Arc	Intrs. of Burns Frwy. with Somoa Connection, 7th St., & 17th St., & G St. with 17th St.		6/1/54	L. H. Leonardi Elc. Constr. Co.	Signals & Lights	62,939
54-1TC14	Humboldt	1	I	Intrs. of Rte. 1 & Rte. 85 Abt. 3.5 Mi. N. of Arcata		4/16/54	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	Widen & Chnlz.	7,659
55-1TC10	Humboldt	1	I	At Kapfer Draw, Abt. 1.6 Mi. N. of Arcata		6/22/54	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	Remove Br. & Place Culv.	17,436
54-1BC2-F	Humboldt	1, 20	I, J, K; B	Bet. Arcata & Del Norte County Line (Pors.) & at Buchhorn Washout Abt. 4 Mi. E. of Blue Lake		8/11/53	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	Restore Embankments, Base & Surfacing Slope, Prot. & Repair 2 Timber Brs.	340,000

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-1TC6	Humboldt	1, 20	Var	Various Locations	8.2	5/14/54	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	P.M.S.	$68,224
54-1T2	Hum, Tri	20	D; C, D	Bet. Willow Cr. & Whites Bar (Pors.)		6/24/53	Honor Camp Labor	Grading	85,000
54-14TC35	Humboldt	84	B	Across Trinity Riv.		12/30/53	Reed & Tuttle	Repair Br.	9,447
54-1DC3-P	Humboldt	FAS 975		Bet. E.C.L. of Fortuna & Hydesville	2.1	6/14/54	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	Gr. & P.M.S. on I.B.M.	80,604
	Humboldt			Various Locations				Minor D.L. Projects	40,410
55-11VC1	Imperial	27	B	Bet. Grays Well & Ogilby Rd.	5.9	4/1/54	Ellis Construction Co.	Resurface with P.M.S.	60,373
54-11VC27	Imperial	27	B	Bet. 5.6 Mi. W. & 5.4 Mi. W. of Winterhaven		5/14/54	Bratcher Constr. Co.	R.C. Pipe Culv.	7,423
54-11VC25-F	Imperial	27	C, Holt	Bet. State Rte. 201 & Holtville	6.9	5/4/54	Basich Bros. Constr. Co. & R. L. & N. L. Basich	Gr., C.T.B., P.M.S. & R.C. Br.	1,037,581
55-11VC7	Imperial	187, 201, 202	B, D; C; B	At Various Locations	4.4	6/11/54	Silverberger Constructors, Inc.	B.S.T.	17,118
54-11VC29	Imperial	187	Clp, E	Bet. S.C.L. of Calipatria & Main St. in Niland	8.5	6/23/54	R. R. Hensler	Gr., I.S.M. & I.B.M., R.M.S.	529,946
54-14DC15	Imperial	FAS 721		Over Bard Rd. Bet. Rte. 27 & 0.2 Mi. N.		6/22/54	Milleman-Sooy & Jackson	Stl. Br.	178,601
	Imperial			Various Locations				Minor D.L. Projects	39,812
54-9VC7	Inyo	23	B, C	Bet. Division Cr. & Big Pine (Pors.)	9.3	9/25/53	James E. Roberts	I.B.M., B.S.T. & Sl. Ct.	59,305
55-9VC1	Inyo	23	I, J, K	Bet. Haiwee & 0.5 Mi. N. of Cottonwood Cr. (Pors.)	15.0	4/19/54	Clyde W. Wood & Sons, Inc.	R.M.S. on I.B.M., B.S.T. & Sl. Ct.	95,068
54-9VC9-FP	Inyo	127	C	Bet. Jct. Rte. 23 & 7.9 Mi. E. Abt. 5.4 Mi. NW. of Keeler	7.9	4/5/54	Geo. E. France, Inc.	Gr. & R.M.S. on I.B.M.	72,878
	Inyo			Various Locations				Minor D.L. Projects	4,255

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-6VC7	Kern	4	B, C	Bet. Foot of Grapevine & 0.8 Mi. S. of Switzers	18.3	9/25/53	G. W. Ellis Constr. Co.	Sl. Ct.	$53,774
54-6VC13	Kern	4, 141	C, Bkd; A	Intrs. Union Ave. with Brundage Lane & with California Ave.		6/18/54	A-C Electric Co.	Modify Signals	11,531
55-6VC4	Kern	4	D	Bet. 1.8 Mi. & 0.7 Mi. SE. of Cawelo	1.1	5/4/54	Griffith Co.	Gr. & P.C.C. on C.T.S.	100,319
54-14VC7	Kern	4	G	Bet. N.C.L. of Bakersfield & N. of Kern Riv. Br.	0.6	7/29/53	W. F. Maxwell	Gr., P.M.S. on C.T.B. Widen 3 Stl. Brs.	495,011
53-6V13	Kern	4, 58	Bkd	At the Intrs. of Union Ave. with 22d St.-Sumner St. & with 21st St.		5/7/53	City of Bakersfield	Signals & Lights	10,000
54-9VC12	Kern	23	C	Bet. Jawbone & Ittners	3.9	5/25/54	Oilfields Trucking Co. and Phoenix Construction Co., Inc.	Gr. & P.M.S. on U.R.B.	172,878
53-14V19	Kern	58	G	Monolith Grade Crossing across Southern Pacific Co. Tracks		6/4/53	Southern Pacific Co.	Flashing Lights & Automatic Gate Arms	8,850
53-14V16	Kern	143	A	Magunden Grade Crossing		12/11/52	Southern Pacific Co.	Install Flashing Signals	7,500
54-6DC5-P	Kern	FAS 575		Brundage Lane Bet. Fairfax Ave. Abt. 3 Mi. W. of Bakersfield & State Rte. 143	1.0	4/13/54	Dicco, Inc.	Gr. & P.M.S. on C.T.B.	41,200
54-6DC7-P	Kern	FAS 890		Bet. E.C.L. of Shafter & Rte. 4	5.7	6/28/54	Griffith Co.	Gr., P.M.S. on C.T.B. & R.C. Box Culv.	387,320
	Kern			Various Locations				Minor D.L. Projects	43,520
54-6TC14	Kings	135	A, B	Bet. 0.3 Mi. N. of Kansas Ave. & One Mi. N. of Corcoran	7.7	4/15/54	Volpa Brothers	Gr., & P.M.S. on C.T.B.	287,922
	Kings			Various Locations				Minor D.L. Projects	14,650
55-1KC1	Lak, Men	15, 16, 48, 49, 56, 89	Var	See Mendocino County					
54-1TC16-F	Lake	49	A	Bet. 0.3 & 5.1 Mi. N. of Napa-Lake Co. Line (Pors.)	1.4	4/15/54	Transocean Engineering Corp.	Gr., I.B.M. & Sl. Ct.	260,467

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-1TC4	Lake	89	C	Bet. 0.1 Mi. & 0.6 Mi. N'ly. of Cobb Post Office	0.5	5/4/54	Stewart & Squire, Contr.	Gr. & P.M.S. on I.B.M.	$60,534
55-1TC5	Lak, Men	89, 1	Var	See Mendocino County					
	Lake			Various Locations				Minor D.L. Projects	19,425
55-2TC10	Lassen	29	C	Bet. 4.9 Mi. & 6.5 Mi. E. of Susanville	1.6	5/28/54	Denzil Strong	R.M.S.	8,222
54-2TC10	Lassen	73	D	Bet. Secret Valley & 4.7 Mi. N.	4.7	11/6/53	Harms Bros.	Gr. & R.M.S. on U.R.B.	529,590
55-2TC6	Las, Mod	73	G, C, D	Bet. Madeline & Alturas (Pors.)	7.5	5/5/54	Harms Bros.	P.M.S.	60,000
54-2DC2-P	Las, Mod	FAS 988		Bet. Hayden Hill Rd. & Rte. 28 near Adin	13.2	6/7/54	Harms Bros.	P.M.S.	97,812
	Lassen			Various Locations				Minor D.L. Projects	5,625
53-7V23	Los Angeles	2	D	At Sta. 635+53 near Ben Hur Estates		3/16/53	Day Labor	Drainage	6,500
52-7V35	Los Angeles	2	L.A	Bet. Mulholland Dr. & Hollywood Blvd.		4/21/52	Day Labor	Signs, Stripe & Markings	15,000
53-7V24	Los Angeles	2, 165	L.A	On Sunset Blvd., Cahuenga Blvd. & Figueroa St.		3/18/53	City of Los Angeles	Signals	21,000
54-7VC56	Los Angeles	2	L.A	Bet. Cahuenga Blvd. & Gower St.	0.6	2/3/54	Jannoch Nurseries	Roadside Development	49,464
54-7VC61	Los Angeles	2, 26	L.A	At Ramona Frwy.-Santa Ana Frwy. Interchange		3/8/54	Electric & Machinery Service, Inc.	Lights & Illum. Signs	37,132
54-7V9	Los Angeles	4, 23, 157, 158	L.A, F	Yarnell St. to Tunnel Sta.		2/3/54	Day Labor	Signs & Stripes	14,000
54-7VC11-F	Los Angeles	4, 23, 157, 158	L.A, F	Bet. 0.6 Mi. S. of Rte. 158 & 0.4 Mi. N. of N.C.L. of Los Angeles	3.0	7/28/53	Griffith Co.	Gr., P.C.C. on C.T.S. 3 R.C. Separation Structs., 1 R.C. Br., 2 R.C. OH's., & 1 R.C. UC.	3,289,783
53-7VC42	Los Angeles	4, 23, 157, 158	L.A, F	On Golden State Frwy., Bet. Yarnell St. & Tunnell Station		12/2/53	C. D. Draucker, Inc.	Lights & Illum. Signs	83,986
54-7V11	Los Angeles	9	B, Pas	Hampton Rd. to Montana St.		3/17/54	Day Labor	Signs & Stripes	13,000
54-14VC17-F	Los Angeles	9	B, Pas	Bet. Hampton Rd. & Montana St.		2/18/54	George W. Peterson, Jack W. Baker & Dragline Rentals Co.	Gr., P.M.S., 2 R.C. Brs., 2 R.C. OC's., R.C. Sep., R.C. UC. & R.C. Equestrian Tunnel	2,029,425

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
7V149	Los Angeles	9	Pas	Bet. Santa Anita Ave. & Sierra Madre Villa		7/1/49	Day Labor	Widen, Pave, Structs. & Signals	$92,621
55-7VC2	Los Angeles	19, 77	B, Pom; Pom	Bet. 0.7 Mi. W. & 0.5 Mi. E. of Rte. 77	1.6	4/1/54	Robert E. L. Parker Co.	Gr., P.M.S. on C.T.B., Signals & Lights	309,698
54-7VC67	Los Angeles	19	Pom	Bet. Orange Grove Ave. & Artesia St.	0.3	5/4/54	Ralph J. Laird	Widen & P.M.S.	29,962
55-14VC1	L.A, SBd	19	Pom, A	Bet. San Antonio Cr. Br. & Kadota Ave.		5/18/54	E .L. Yeager Co.	Widen R.C. Br. & Apps. & Curbed Median	62,701
55-7VC8	L.A, Ora	19, 62, 172, 177	Var	Various	9.2	5/18/54	Sully-Miller Contracting Co.	P.M.S.	40,148
55-7VC9	Los Angeles	23, 59	B, D, E, F; J	At Various Locations	5.1	6/4/54	Southwest Paving Co., Inc.	P.M.S.	31,976
54-7VC7	Los Angeles	23	D, E	Bet. 1 Mi. W. of Agua Dulce Canyon Rd. & Palmdale	4.8	7/13/53	Munn & Perkins & Paul E. McCollum	Gr., P.M.S. on U.R.B.	499,314
52-7V18	Los Angeles	26, 77	B, A	On Garvey Ave. at Valley Blvd.		12/5/51	Day Labor	Signals & Chnlz.	6,700
53-7VC58-F	Los Angeles	26	C, Pom, Cla	Bet. San Dimas Ave. & San Bernardino Co. Line	6.3	5/21/53	Guy F. Atkinson Co.	Gr., P.C.C. on C.T.S., 4 R.C. Brs. & 3 R.C. Ped. UC's.	3,588,130
54-7VC9	Los Angeles	26	C, Pom, Cla	In & Adjacent to the Cities of Pomona & Claremont,					
54-7V6	Los Angeles	23	C, Pom, Cla	Ramona Frwy.: San Dimas Ave. to San Bernardino Co. Line		10/8/53	Day Labor	Signs & Stripes	17,500
54-7VC76-F	Los Angeles	26	E, B, WCov	On Ramona Frwy. Bet. Durfee Ave. & 0.5 Mi. E. of Puente Ave.	3.3	6/30/54	Griffith Co.	Gr. P.C.C. 2 R.C. Br., 2 R.C. UC's., R.C. OC., R.C. OH.	3,549,900
52-7V27	Los Angeles	26	Alh	Bet. Eighth St. & Jackson Ave.		2/26/52	Day Labor	Signs, Stripes, Etc.	6,400
54-7VVC3	Los Angeles	26	MonP, L.A	Ramona Frwy. at the Floral Park On-Ramp from Garvey		6/16/54	Harrison Bros.	P.M.S., Curbs & Gutters	3,780

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-7VC38	L.A, Ven	60	A, A	See Ventura County					
7V177	Los Angeles	60	LBch	Bet. Santa Fe Ave. & Obispo Ave.		5/21/51	Day Labor	Signals & Lights	$14,500
54-7V8	Los Angeles	60	LBch	Redondo Ave. to 150 ft. W'ly & Anaheim St. to Clark Ave.		1/11/54	Day Labor	Improve Highway	11,000
55-7VC10	L.A, Ora	60, 170, 179	LBch, F, SlB; A; A, LBch	At Various Locations	4.5	6/4/54	Griffith Co.	P.M.S.	29,085
54-7VC57	Los Angeles	60	SMca	Bet. Olympic Blvd. & SE'ly C.L. of Santa Monica	1.3	2/3/54	George Savala Paving Co.	Widen, U.R.B. & A.C.	245,053
54-7VC58	Los Angeles	60	SMca	Lincoln Blvd. Bet. Olympic Blvd. & S.C.L. of Santa Monica		2/26/54	Westates Elcl. Const. Co.	Modify Signals & Lights	89,200
54-7V1	Los Angeles	61, 62	C, D, B	On Angeles Crest Hwy. (Pors.) & Bet. Crystal Lake & Rte. 61		6/24/53	Honor Camp Labor	Grade	504,431
54-7VC68	Los Angeles	61	Gndl	On Verdugo Rd. Bet. Canada Blvd. & La Crescenta Ave.	0.4	5/4/54	T. E. Sherlock	Gr., C.T.B. & P.M.S.	94,623
55-7VC14-F	L.A, Ora	62	E; D, A	See Orange County					
55-7VC3	Los Angeles	77	A	Valley Blvd. Bet. Charlotte Ave. & Ivar Ave.	0.7	4/1/54	Sheets Construction Co.	Widen R.C. Br. U.R.B. & P.M.S.	102,505
53-14V13	Los Angeles	161	Bur	At Burbank Grade Crossing		6/30/52	Southern Pacific Co.	Install Flashing Lights	8,100
54-7VC69	Los Angeles	161	L.A, Pas	Bet. Eagle Vista Dr. & Ave. 64	1.0	5/14/54	Peter Kiewit Sons Co.	Gr., A.C., P.C.C. 2 R.C. UC's. & R.C. OC.	987,951
52-7V16	Los Angeles	161	Pas	On Colorado St. Br.		12/5/51	Day Labor	Stripes & Signals	12,200
53-7V13	Los Angeles	161	Pas	At Michigan Ave. & at Berkeley Ave.		9/22/52	City of Pasadena	Signals	5,000
54-14VC18	Los Angeles	161	Pas	Across Arroyo Seco		5/10/54	N. M. Saliba Co.	Conc. Base & Stl. Br. Railing	46,542
53-7V19	Los Angeles	162	L.A	At Veteran Ave.		6/30/53	City of Los Angeles	Const. RR Crossing	20,000
54-7VC74	Los Angeles	164	Tor, A, RdoB	Bet. Pacific Coast Hwy. & 174th St.	4.7	6/23/54	M. S. Meecham & Sons	Gr. & P.M.S. on U.R.B.	912,696
53-7VC60-F	Los Angeles	165	L.A	Bet. Flower St. N. Bound Ramp & Olympic Blvd.	1.1	6/25/53	Oberg Bros. Const. Co.	Gr., P.C.C. on C.T.S., A.C. on U.R.B., R.C. OC., R.C. UC., R.C. Ped. OC. & Retaining Walls	1,796,402

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-7VC12	Los Angeles	165	L.A	On Harbor Frwy., Bet. Olympic Blvd. & Temple St.		6/16/54	Jannoch Nurseries	Roadside Development	$101,830
54-7VC75	Los Angeles	165	L.A	On Harbor Frwy. Bet. Battery St. & 0.2 Mi. N. of Pacific Coast Hwy.	2.8	6/30/54	Vinnell Co. & Vinnell Constructors	Gr., P.C.C. & 11 R.C. Sep. Str.	3,304,665
54-14VC21-P	Los Angeles	165, 4th St.	L.A	On Fourth St. Bet. Hill St. & Harbor Frwy.	0.5	6/30/54	Webb & White	Gr., P.C.C., P.M.S. & 3 R.C. Br.	513,085
54-7V7	Los Angeles	165	L.A	Flower St. to Olympic Blvd.		12/2/53	Day Labor	Signs & Stripes	6,200
54-7VC31	Los Angeles	165	L.A	Harbor Frwy. Bet. Flower St. & Olympic Blvd.		10/20/53	Westates Elec. Const. Co.	Lights & Illum. Signs	84,779
54-7VC36	Los Angeles	165	L.A	On Arroyo Seco Parkway Bet. Sunset Blvd. & Bernard St.	0.6	11/19/53	K.E.C.Company, Inc.	Roadside Development	48,932
54-7VC51	Los Angeles	165	L.A, A	Figueroa St. Bet. Lomita Blvd. & 190th St.	4.6	12/16/53	Griffith Co.	Widen & P.M.S. on U.R.B.	430,341
54-7V13	Los Angeles	165	L.A	42nd St. to 23rd. St.		6/14/54	Day Labor	Signs & Stripes	11,230
54-7VC64-F	Los Angeles	165	L.A	Harbor Frwy. Bet. 42nd St. & 23rd. St.	1.4	4/1/54	J. E. Haddock, Ltd.	Gr., P.C.C. on C.T.S., 11 Retaining walls, Pump Plant, 4 R.C. UC's., 3 R.C. Ped. UC's., R.C. OH., 5 R. C. OC's, Lights & Illum. Signs	3,325,584
53-7VC38-F	Los Angeles	166	A	Santa Ana Frwy. Bet. Pioneer Blvd. & Rosecrans Ave.	2.1	12/31/52	Ukropina, Polich, Kral, Ukropina	Gr., P.C.C. on C.T.S., P.M.S. on U.R.B., 5 R.C. Brs., & R.C. Ped. OC.	2,625,003
53-7VC53	Los Angeles	166	A	Santa Ana Frwy. Bet. Pioneer Blvd. & Rosecrans Ave.		4/10/53	A. S. Schulman Elec. Co.	Lights & Signs	118,377
53-7VC55	Los Angeles	166	A	Bet. Todd. Ave. & Pioneer Blvd.	5.0	1/25/54	Huettig, Schromm & Bennett, Inc.	Roadside Development	42,824
52-14VC20-F	Los Angeles	167	A	On Los Angeles Riv. Frwy., Bet. 0.2 Mi. S. of Dominguez St. & Del Amo Blvd.	0.7	5/26/52	Webb & White	Gr., P.C.C. on C.T.S. & 2 Stl. UP's.	1,428,978
53-7VC39	Los Angeles	167	A, LBch, Com	Los Angeles Riv. Frwy. Bet. 223d. St. & Atlantic Ave.		12/31/52	Westates Elec. Const. Co.	Lights & Illum. Signs	117,664
53-7V27	Los Angeles	167	A, Lyn	At the Pacific Elc. Crossing in Lynwood		4/27/53	U. S. Engineers	Underpass	193,071
53-14VC21-F	Los Angeles	167	B	On Long Beach Frwy. Bet. Leonis St. & Dunham St. over tracks of Union Pac. R.R.		6/26/53	J. A. Thompson & Son	Stl. Conc. OH. & Apps.	1,229,435
54-14VC4-F	Los Angeles	167	B, Ver	On Long Beach Frwy. Bet. E. 26th St. & Washington Blvd. over tracks of A.T. & S.F. Ry. & Union Pacific R.R.		7/8/53	Ukropina, Polich, Kral, Ukropina	R.C. & Stl. OH. & Apps.	1,264,756
54-14VC20-F	Los Angeles	167	B, C	On Los Angeles Riv. Frwy. Bet. Sheila St. & Verona St.	1.0	6/22/54	B. J. Ukropina, T.P. Polich, Steve Kral & John R. Ukropina	Gr., P.C.C. & P.M.S. on C.T.B. & U.R.B.	2,660,670

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
53-7VC30	Los Angeles	167	LBch, A Com	Los Angeles Riv. Frwy. Bet. 223d St. & S. Jct. of Atlantic Ave.	3.8	11/21/52	Ukropina, Polich, Kral	Gr., P.C.C. on C.T.S. R.C. Retaining Wall & 5 R.C. UC's.	$2,881,167
7V176	Los Angeles	167	SGt	Across Los Angeles Riv. Bet. Imperial Hwy. & Firestone Blvd.		5/15/51	Los Angeles County Flood Control District	Br. Substructure	189,000
54-7V12	Los Angeles	167	SGt	At Firestone Blvd.		3/17/54	Day Labor	Drainage	28,000
54-14VC22	Los Angeles	167	SGt	On L. A. Riv. Frwy., across Los Angeles Riv., in South Gate		6/30/54	Webb & White	Stl. Br. Superstructure	733,554
54-7VC46	Los Angeles	168, 178	A, A	Intrs. of Carson St. with Lakewood Blvd., Clark Ave., Bellflower Blvd. & Woodruff Ave.		12/11/53	C. D. Draucker, Inc.	Modify Signals & Lights	36,227
53-14V17	Los Angeles	170	A	At Los Nietos Gr. Crossing		3/20/53	Atchison, Topeka & Santa Fe Ry. Co.	Install Flashing Light Signals & Automatic Gates	16,000
54-7V14	Los Angeles	170	A	Pioneer Blvd.-San Antonio Dr. at Rosecrans Ave.		5/18/54	Day Labor	Signals & Lighting	7,000
54-7VC62-Y	Los Angeles	174	B	Firestone Blvd. Bet. Studebaker Rd. & Orr & Day Rd.	0.5	3/10/54	Ukropina, Polich, Kral, & Ukropina	Gr., P.M.S. on U.R.B. & R.C. Br.	414,594
54-14VC19-F	Los Angeles	174	B	Bet. Rosecrans Ave. & Orange Co. Line		6/11/54	B. J. Ukropina, T. P. Polich, Steve Kral & John R. Ukropina	Gr. Ramps & P.M.S. 4 Stl. Sep. Str.	1,075,667
54-7VC72-F	Los Angeles	175	A, Com	Bet. 0.1 Mi. W. of Central Ave. & 0.2 Mi. E. of Alameda St.	2.2	6/11/54	Vido Kovacevich Co. & O. B. Pierson	Gr. & P.M.S. on U.R.B. 2 Stl. OH.	1,709,894
54-7VC70	Los Angeles	175	A, L.A	Bet. Normandie Ave. & Main St.	1.4	5/27/54	Sheets Constr. Co.	Gr., A.C. on U.R.B. & R.C. Br.	538,157
54-7VC5-F	Los Angeles	175	RdoB, Tor, Gar, A	Bet. Inglewood Ave. & Normandie Ave.	3.6	7/8/53	J. E. Haddock, Ltd.	Gr., A.C. & Stl. UP.	872,592
54-7VC54	Los Angeles	175	RdoB, Tor, Gar, A	Intrs. Redondo Beach Blvd. with Inglewood Ave. & 174th St. with Redondo Beach Blvd.-Grevillea Ave., Hawthorne Blvd., Prairie Ave., Crenshaw Blvd., Western Ave. & Normandie Ave.		1/18/54	Fischbach & Moore, Inc.	Signals & Lights	89,887
54-7V2	Los Angeles	178	LBch, A	Bet. Lakewood Blvd. & San Gabriel Riv.		8/26/53	Day Labor	Sub-sealing	5,000

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-7DC2	Los Angeles	FAS 844		On Slauson Ave. Bet. Telegraph Rd. & Rosemead Blvd.	1.1	11/12/53	Webb & White	Gr., A.C. on U.R.S. & U.R.B. & R. C. Br.	$529,100
	Los Angeles			Various Locations				Minor D.L. Projects	136,053
54-6TC9	Madera	4	A, B, C	Bet. 2.6 Mi. N. of Fresno Co. Line & Califa	11.0	10/20/53	Oliver's Nursery	Roadside Development	19,630
55-6TC3-FP	Madera	126	C	Bet. 5.9 Mi. W. & 2.4 Mi. W. of Rte. 125 Abt. 9 Mi. E. of Madera	3.5	6/9/54	Gene Richards, Inc.	P.M.S. on C.T.B.	25,837
	Madera			Various Locations				Minor D.L. Projects	4,866
54-4TC23-Y	Marin	1	C, D, Saus	Bet. Manzanita & Golden Gate Br.	4.0	9/2/53	Guy F. Atkinson Co.	Gr., R.C. Structures, Tunnel	4,459,867
53-4T37	Mrn, Son	1, 8, 104	Var	See Sonoma County					
55-4TC3	Marin	8	A	Bet. Ignacio Wye & Atherton Ave.	2.3	4/1/54	A. G. Raisch Co.	P.M.S. & C.M. Br. Railing	118,048
55-4TC13	Marin	52	A	Bet. 2.8 Mi. & 3.1 Mi. N. of Belvedere	0.3	5/24/54	E. A. Forde Co.	Gr. & P.M.S.	50,000
55-14TC6	Marin	56	A	Across Coyote Cr. Abt. 2 Mi. NW. of Sausalito	0.1	6/7/54	O. C. Jones & Sons	R.C. Br. & App.	48,492
54-4DC1	Marin	FAS 608		Bet. Fairfax & Tocoloma (Pors.)	1.1	8/24/53	A. G. Raisch Co.	Gr. & P.M.S.	141,181
	Marin			Various Locations				Minor D.L. Projects	28,190
54-10TC18	Mariposa	18	E	Bet. 0.2 Mi. S. of King Solomon Mine & Briceburg	2.5	11/13/53	Harms Bros.	Gr. & P.M.S. on U.R.B.	667,972
55-10TC5	Mariposa	18	I, J	Bet. 9.3 Mi. W. of Mariposa & 6.3 Mi. W. of Mariposa	3.0	4/1/54	Granite Construction Co.	Gr. & P.M.S.	215,298
54-10TC8-FP	Mariposa	65	C	Bet. Mariposa & 2 Mi. N'ly.	2.0	7/31/53	Close Building Supply, Inc.	Gr., P.M.S. on U.R.B.	103,155
53-10T11	Mpa, Tuo	110	A; A, B	See Tuolomne County					
54-10T1	Mariposa	110	A	Bet. Stanislaus Co. Line & Coulterville (Pors.)	1.5	6/12/53	Day Labor	Grade	25,000
	Mariposa			Various Locations				Minor D.L. Projects	4,675
54-1TC18	Mendocino	1	D, E	Bet. 4.1 Mi. N. of Forsythe Cr. & Ridgewood Summit	4.9	5/3/54	Granite Constr. Co.	P.M.S. on C.T.B.	552,129

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-1TC3	Mendocino	1	H	Bet. Sapp Cr. & 2.8 Mi. S. of Rattlesnake Summit	2.0	4/19/54	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	P.M.S. on C.T.B.	$99,792
55-1TC2	Men, Hum	1	I, J, K; A	Bet. Panther Springs & Benbow (Pors.)	20.0	4/1/54	Mercer, Fraser Co. & Mercer, Fraser Gas Co., Inc.	P.M.S. & Sl. Ct.	153,483
54-1TC19	Mendocino	1	K	At Red Mountain Cr. Abt. 17 Mi. S. of Garberville	0.8	6/4/54	John Burman & Sons	Gr. & P.M.S. on U.R.B., R.C. Culv.	551,706
55-1TC8	Mendocino	1	Uki	Bet. Gobbi St. & Low Gap Rd.	-------	6/1/54	J. Henry Harris	Revise Curbs, Gutters & Intrs.	25,552
55-1TC5	Men, Lak	1, 89	Var	Bet. 2.5 Mi. N. of Sonoma Co. Line & 66.2 Mi. N. & Bet. S.C.L. of Lakeport & 7.4 Mi. N. of Lakeport (Pors.)	14.3	5/4/54	Arthur B. Siri, Inc.	P.M.S.	82,128
54-14TC42	Mendocino	48	B	At Anderson Cr. Abt. 0.1 Mi. NW. of Boonville	0.3	4/19/54	James H. McFarland	R.C. & Stl. Br. & Apps.	76,911
54-1TC11	Mendocino	56	A	At Big Gulch Abt. 13 Mi. S. of Point Arena	1.1	10/5/53	Claude C. Wood Co.	Gr., R.M.S. on C.T.B. & R.C. Arch Culv.	159,269
55-1TC7	Mendocino	56	A	At Ross Cr. Abt. 2.5 Mi. S. of Point Arena	-------	5/14/54	Harold Smith	R. C. Culv.	36,834
54-14TC38	Mendocino	56	E	Across Casper Cr. Abt. 6 Mi. S. of Fort Bragg	-------	2/11/54	Bishop-Younger-Bradley Co.	Redeck Timber Br.	50,247
53-14TC35-F	Mendocino	56	F	At Ten Mile Riv., Abt. 7.8 Mi. N. of Fort Bragg	1.4	4/24/53	Bishop-Younger-Bradley Co.	R.C. Br., Gr., R.M.S. on C.T.B.	768,242
54-14TC26	Mendocino	70	A	Across Russian Riv. Abt. 0.9 Mi. E. of Ukiah	0.9	8/14/53	L. Neilson	Stl. & Conc. Br. Gr., P.M.S. on C.T.B.	324,495
54-1DV4-P	Mendocino	FAS 980	----------	Bet. Rte. 1 S. of Ukiah & 6.1 Mi. W'ly.	6.1	6/11/54	Huntington Bros.	Gr., I.B.M., I.S.M., & Seal Ct.	188,102
----------	Mendocino	-------	----------	Various Locations	-------	----------	----------	Minor D.L. Projects	100,803
54-10TC26	Merced	18	Mer, A	Bet. Rte. 4 & 0.4 Mi. W. of Planada	4.2	6/2/54	Granite Constr. Co.	Gr. & P.M.S. on U.R.B.	182,547
55-10TC11	Merced	32	C	Bet. 0.1 Mi. E. of Los Banos & Dos Palos Wye	6.9	5/18/54	Stewart & Nuss Inc.	P.M.S.	80,288
54-10TC27	Merced	32	LBns, C	Through Los Banos	1.3	6/15/54	Stewart & Nuss, Inc.	Gr. & P.M.S. on U.R.B.	205,910
54-10TC17	Merced	41	A	Bet. 0.2 Mi. S. of Sullivan Rd. & Gustine	0.8	11/19/53	M. J. Ruddy & Son	Gr., P.M.S. on U.R.B. & R.C. Br.	143,534

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-10TC13	Merced	122	B	Pors. Bet. 10 Mi. W. of Merced & Merced	3.9	10/16/53	M. J. Ruddy & Son	Widen, P.M.S. on U.R.B. R.C. Br. & Widen 2 R.C. Brs.	$327,675
54-10DC3	Merced	FAS 912		On Santa Fe Dr. Bet. Cressey & Bahach Rd.	5.9	9/22/53	Stephens Trucking Co.	Gr. & R.M.S.	92,700
	Merced			Various Locations				Minor D.L. Projects	3,850
54-2TC15	Modoc	28	B	Bet. 1 Mi. E. of Canby & Chamber's Ranch	7.2	5/4/54	Peter Kiewit Son's Co.	Gr. & P.M.S. on U.R.B.	414,520
54-2T1	Modoc	28, 73	C, A	Bet. Alturas & Rte. 73	5.3	6/24/53	Honor Camp Labor	Grade	300,000
54-2T2	Modoc	73	A	Mile 3.58 to 11.90 (Pors.)	8.3	8/4/53	Day Labor	Surface	60,000
55-2TC6	Mod, Las	73	C, D, G	See Lassen County					
54-2DC2-P	Mod, Las	FAS 988		See Lassen County					
	Modoc			Various Locations				Minor D.L. Projects	4,900
53-9V12	Mono	23	D	Bet. Sta. 306+50 & Sta. 340+00	0.6	9/22/52	Day Labor	Widen Roadway	30,000
55-9VC3	Mono	23	D	Bet. 0.9 Mi. N. of McGee Cr. Main. Station & Whitmore Tubs Rd.	0.6	6/18/54	Leo V. Jones	Gr., I.B.M. & R.M.S.	37,439
54-9VC11	Mono	23	F, G	Bet. Crestview & 2 Mi. S. of Rush Cr.	10.0	5/14/54	G. W. Ellis Constr. Co.	Widen, I.B.M. & P.M.S.	211,890
55-9VC2	Mono	23, 76	H, G, J, K, A	At Various Locations	16.7	5/25/54	Oilfields Trucking Co. and Phoenix Construction Co., Inc.	R.M.S.	70,106
54-9VC10-FP	Mono	96	A	Bet. 4.5 Mi. N. of Bridgeport & Nevada State Line	8.2	4/9/54	G. W. Scott, Bill Stecker Excavating Contr. & I. L. Croft & Son, Inc.	Gr., I.B.M. & Pen. Tr.	239,259
	Mono			Various Locations				Minor D.L. Projects	53,340
55-5TC2-F	Monterey	2	B, K, Sal	Bet. Hartnell Rd. & E. Market St. in Salinas	5.4	4/1/54	Gordon H. Ball and San Ramon Valley Land Co. & John Delphia	Gr., P.C.C. on C.T.S., 2 R.C. UC's. 1 Prestressed OC. & 1 R.C. & Stl. UC.	2,085,862

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-5TC9	Monterey	2	C, B	Bet.2 Mi. N. of Gonzales & Chualar	3.3	5/4/54	Watkin & Sibbald	Planting Roadside Areas	$10,857
54-5TC6	Monterey	2	I	Abt. 0.2 Mi. W. of Bradley	0.6	11/4/53	Bos Construction Co.	Widen R.C. Br., Gr. & P.M.S. on C.T.B.	95,963
55-14TC7	Monterey	2	K	Near the Intrs. of Bardin Rd. & Terven Ave.		6/22/54	Gordon H. Ball & San Ramon Valley Land Co.	R.C. OC.	84,767
55-5TC4	Monterey	2	Sal, K	Bet. Hartnell Rd. & N. Main St.		6/2/54	Collins Elc. Co., Inc.	Lights & Illum. Signs	46,375
55-5TC5	Monterey	56	A	At Alder Cr. Abt. 8 Mi. N. of Monterey-San Luis Obispo Co. Line		6/16/54	Granite Constr. Co.	R.C. Arch Culv.	103,208
54-5T2	Monterey	56	B	At Willow Cr. Br.		6/15/54	Day Labor	Detour & Repair Br.	28,500
54-14TC41	Monterey	56	E	Across Torre Canyon, Abt. 37 Mi. S. of Monterey		4/15/54	Granite Const. Co.	R.C. Br.	287,679
55-5VC7-P	Mon, SBt, SLO, S.B.	118; 119; 2, 56; 80	Var	Various	21.0	5/14/54	Valley Paving Co.	P.M.S. & R.M.S.	77,286
54-5T1	Mon, SBt	119	A	Peach Tree-Lonoak Rd. to Lewis Union School		1/11/54	Day Labor	Improve Highway	15,000
54-5DC2-P	Monterey	FAS 595		San Juan-Watsonville Rd. Bet. Jct. State Rte. 56 at Pajaro & 4.9 Mi. E'ly.	4.9	2/26/54	Baun Construction Co.	Gr. & P.M.S. on U.R.B.	197,952
54-5DC3	Monterey	FAS 595		On San Juan-Watsonville Rd., Bet. 6.5 Mi. E. of Pajaro & Rte. 2	2.6	6/30/54	Granite Constr. Co.	Gr. & P.M.S. on U.R.B.	109,300
	Monterey			Various Locations				Minor D.L. Projects	38,830
55-4TC10	Napa	8	Nap, B	At the Br. across Napa Riv. at E.C.L. of Napa		5/21/54	Howard D. Day	Revise traffic control and safety devices	5,496
55-4TC12-P	Napa	49	D, Nap	At Intrs. of Napa Frwy. with Old Sonoma Rd. & with 1st St.-Brown's Valley Rd.		5/24/54	Hall Sloat Electrical Co.	Signals, Lights & Chnlz.	22,223
55-4TC11	Nap, Son	Var	Var	See Sonoma County					

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-4DC4	Napa	FAS 776		Old Sonoma Rd. Bet. Napa C.L. at Casswall St. & 0.5 Mi. NE. of Buhman Ave.	1.7	11/20/53	Arthur B. Siri, Inc.	Gr., U.R.B. & Sl. Ct.	$69,500
	Napa			Various Locations				Minor D.L. Projects	38,165
55-3TC3	Nev, Pla, Yub.	17, 37, 15	B, C, C, A	See Yuba County					
54-3TC3-FP	Nevada	25	NevC, A	Bet. near New. Rte. 15 & 0.1 Mi. W. of West City Limits of Nevada City	1.0	7/ 3/53	John G. Mehren	Gr., C.T.B. & Ar. Ct.	98,533
55-3TC1	Nev, Pla	37	B, D, E	See Placer County					
54-3T4	Nevada	37	D	East of Donner Lake		12/ 8/53	Day Labor	Material Site	28,500
55-3TC5-P	Nev, Pla	37, 38, 83	Var	At Four Locations	12.5	6/11/54	Clements Constr. Co.	P.M.S.	200,683
	Nevada			Various Locations				Minor D.L. Proj's.	7,658
54-7V10	Orange	2	C, Tus	First St. to Browning Ave.		3/ 2/54	Day Labor	Signs & Strips	10,000
54-7VC50	Orange	2	C, Tus, S.A	Santa Ana Frwy. Bet. Browning Ave. & First St.	2.5	12/16/53	Winston Bros.	Gr., P.C.C. on C.T.S., P.M.S. on U.R.B., 2 R.C. OC's, 2 R.C. UC's & R.C. Sep. Struct.	2,075,478
54-7VC53	Orange	2	C, Tus, S.A	Bet. Red Hill Ave. & First St.		1/ 8/54	Newbery Elec. Corp.	Lights, Illum. Signs & Signals	89,207
53-14V11	Orange	2	Ful	Walnut Ave. Grade Crossing		6/30/52	Atchison, Topeka & Santa Fe Ry. Co.	Install Flashing Light Signals	8,300
52-7V32	Orange	2, 174	S.A, C	Bet. Broadway & First St.		4/15/52	Day Labor	Signs, Stripes & Markings	9,700
55-7VC5	Orange	2, 43, 178, 179	Var	Various	8.2	5/ 4/54	Sully-Miller Contr. Co.	P.M.S.	36,687
54-7VVC2	Orange	43	CMsa	Intrs. of Rte. 43 with Walnut St.		6/ 1/54	N. M. Saliba Co.	Modify drainage facilities	3,290
54-7V5	Orange	60	C	Golden Lantern to the S'ly end of the divided hwy. in Dana Point		10/ 5/53	Day Labor	Asphalt Sub-Sealing	7,500

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-7VC10	Ora, L.A	60, 170, 179	LBch, F, SlB; A; A, LBch	See Los Angeles County					
55-7VC13-P	Orange	60	NptB	Intrs. of Pacific Coast Hwy. with Tustin Ave. & with Riverside Ave.		6/25/54	Drury Elec. Co.	Signals	$5,423
54-7VC28	Orange	171	A	Intrs. of Huntington Beach Blvd. with Main St.-Ellis Ave. & with Wintersburg Ave.		9/25/53	Ed Seymour	Signals & Lights	34,482
54-7VC60	Orange	171	A, B	Bet. 0.1 Mi. N. of Smeltzer Ave. & 0.1 Mi. N. of Garden Grove Blvd.	3.0	2/26/54	S. A. Cummings	Gr. & P.M.S. on U.R.B.	506,995
54-7VC47	Orange	174, 2	S.A, C	Bet. Broadway & First St.	2.5	12/16/53	D & M. Sprinkler Co.	Roadside Development	46,709
54-14VC6	Orange	175	B	Across Santa Ana Riv., Abt. 1.5 Mi. N. of Olive		7/23/53	R. M. Price Co.	R.C. Br. & Apps.	445,223
55-7VC8	Ora, L.A	177, 19 62, 172	Var	See Los Angeles County					
54-7DC5-P	Orange	FAS 826		On Katella Ave. Bet. Lexington Dr. & Stanton Ave.	3.5	6/17/54	Sully-Miller Contr. Co.	Gr. & P.M.S. on U.R.B.	119,900
	Orange			Various Locations				Minor D.L. Proj's.	16,780
54-3TC2-F	Placer	3, 17	A, Rsv, A	Bet. One Mi. S. & 0.5 Mi. E. of Roseville	3.5	6/10/53	Ukropina-Polich-Kral-Ukropina	Gr., 3 R.C. OC's., 1 R.C. Sep., 4 R.C. Brs. & Connections	1,344,526
54-3TC9	Pla, Sac	3	A, B	See Sacramento County					
55-3TC2	Pla, Yol	3, 17, 50, 7, 87	Var	See Yolo County					
54-3T1	Placer	37	A	Bet. Auburn & Applegate		6/30/53	Day Labor	Install barrier in median divider	13,000
55-3TC3	Pla, Yub, Nev	37, 15, 17	C, C, A, B	See Yuba County					
53-3T16	Pla, E.D	37, 11	D, E, D	See El Dorado County					
55-3TC1	Pla, Nev	37	D, E, B	Bet. Gold Run & 2 Mi. E. of Soda Springs (Pors.)	5.8	5/ 3/54	Howard B. Folsom	R.M.S.	29,960
53-3T10	Pla, Nev	37, 38	E, F, A, B, C, B	See Nevada County					

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-3TC15	Placer	37	Aub	Bet. Nevada St. & near E.C.L. of Auburn	1.3	4/22/54	Rudolph Watson	Roadside Development	$19,392
52-3T11	Placer	38	A	At Madden Cr.		11/ 5/51	Day Labor	Culv.	13,000
55-3TC5-P	Pla, Nev	83, 37, 38	Var	See Nevada County					
	Placer			Various Locations				Minor D.L. Proj's.	11,752
55-2TC9-P	Plu, But	21	A, B; C	See Butte County					
54-14TC23	Plumas	21	B	At Indian Cr. near Jct. of State Rtes. 21 & 83	0.3	8/10/53	M. W. Brown & R. E. Hertel	Stl. Br. & Apps. Reset Scales	210,811
55-2TC5	Plumas	21	E, F	Bet. 1.3 Mi. W. of Feather Riv. Inn, Abt. 21 Mi. E. of Quincy, & Delleker	10.4	5/ 4/54	Rice Bros., Inc.	P.M.S.	126,820
54-14TC27	Plumas	83	A	At Frazier Cr. Abt. 2.5 Mi. S. of Blairsden	0.1	11/30/53	James H. McFarland	R.C. Br. & Apps.	72,728
54-2DC4-P	Plumas	FAS 1061		In the City of Portola, Bet. Commercial St. & Rte. 21	3.0	6/29/54	Rice Brothers, Inc.	I.S.M. & P.M.S. on C.T.B.	33,209
	Plumas			Various Locations				Minor D.L. Proj's.	16,525
54-8VC29	Riverside	26	C	Near Whitewater, Bet. 0.6 Mi. & 0.2 Mi. W. of Jct. of Rte. 26 with Rte. 187		6/23/54	Matich Brothers	Truck Scales	74,747
54-7VC27-F	Riverside	26	D, E	Bet. 2.3 Mi. W. of Garnet & Thousand Palms	2.3	6/ 4/54	McCammon & Wunderlich & C. K. Moseman	Gr. & P.M.S. on C.T.B., 6 R.C. Br.	2,466,478
54-11VC21	Riverside	26	E, Ind	Bet. Coachella Storm Channel & Jackson St.	2.1	3/24/54	Ralph B. Slaughter	Gr., C.T.B., P.M.S. & Widen R.C. Br.	310,682
8V38	Riv, SBd	26	Bau, B, A	See San Bernardino County					
55-11VC6	Riverside	64	I, B, E, Bly, F	Bet. Range 9 E. & Colorado Riv.	20.8	6/ 7/54	Ralph B. Slaughter	P.M.S. & Sl. Ct.	151,642
55-11VC3	Riverside	146	A, B	Various Locations	4.1	5/21/54	Gardner Constr. Co.	I.B. & B.S.T.	11,183
55-11VC2	Riverside	187	F, Coa	Bet. 2.3 Mi. SE. of Thermal & Jct. Rte. 26	6.4	5/10/54	L. A. Rankin & Arthur G. Booth	R.M.S. & Sl. Ct.	66,781

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-8VC3	Riv, SBd	194; 31, 43, 58	Var	See San Bernardino County					
54-8DC1-P	Riverside	FAS 702		On Arlington-Mira Loma Rd., Bet. Arlington Ave. & Rte. 19	7.4	6/30/54	George Herz & Co.	Gr. & P.M.S. on C.T.B.	$310,900
	Riverside			Various Locations				Minor D.L. Proj's.	36,011
54-14TC24-F	Sacramento	3	B	Bet. Ben Ali & Placer Co. Line		8/ 6/53	Ukropina-Polich-Kral-Ukropina	6 R.C. OC's., R.C. Br. & Apps.	647,881
54-3TC9	Sac, Pla	3	B, A	Bet. Ben Ali & 1 Mi. S. of Roseville	10.1	12/ 7/53	A. Teichert & Son, Inc.	Gr. & P.M.S.	812,145
53-3T15	Sacramento	3, 4, 6, 11	Sac	At the Intrs. of 15th & N Sts., 16th & N St. & 16th & Capitol Ave.		12/11/52	Day Labor	Overhead Signs	5,900
54-3T5	Sacramento	3, 4	Sac	At Various Locations		4/26/54	City of Sacramento	Signals	8,100
54-3TC19-P	Sacramento	4	B, Sac	On Stockton Blvd. Bet. Jansen Drive & 14th Ave.	1.3	6/25/54	A. Teichert & Son, Inc.	Widen Rdway. & P.M.S.	154,628
52-14T11	Sacramento	4	Sac	On 16th & 15th St. at R. St.		9/21/51	Day Labor	Flashing Lights	8,500
54-3T6	Sacramento	4, 3	Sac	15th, 12th, & "F" St. Bet. Broadway & N. "B" St.		5/18/54	City of Sacramento	Surf.	28,000
3T104	Sacramento	6, 11	Sac	Capitol Ave. at 4th, 9th, & 30th Sts.		6/27/51	Day Labor	Signals	10,000
54-14TC33	Sacramento	11	C	Bet. Antioch Br. & Emmaton's Landing	2.1	11/24/53	Dan Caputo	Por. Stl. Br., Gr. & B.S.T.	1,289,341
52-3T13	Sacramento	11	E	At Sacramento Riv. Br. at Paintersville		4/24/52	Day Labor	Prepare, Sign & Maintain Detour	6,800
53-3T17	Sacramento	11	F	Bet. Freeport & Hood (Pors.)		12/31/52	U. S. Engineers	Levees	6,375
52-14T13	Sacramento	98	B	At B St. & Elvas UP.		12/17/51	Day Labor	Relocate Western Union Facilities	14,000
54-3TC14-P	Sacramento	98	Sac, B	Bet. C St. in Sacramento & Rte. 3 near Swanston Rd.	2.5	4/ 9/54	Ukropina, Polich, Kral & Ukropina	Gr., P.C.C. on C.T.S. P.M.S. on U.R.B., R.C. OC. R.C., Stl. & Timber Flood Gate	874,795
54-14DC12-P	Sac, S.J	FAS 900		Across N. Fk. Molelumne Riv. at Millers Ferry		3/11/54	Lord & Bishop	Stl. Br. & Apps.	92,600
54-14DC16-P	Sacramento	FAS 932		Across American Riv. at Fair Oaks		6/23/54	Brighton Sand & Gravel Co. & R. M. Skamnes	R.C. & Stl. Br.	253,400

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
	Sacramento			Various Locations				Minor D.L. Projs.	$24,899
54-5T1	SBt, Mon	119	A	See Monterey County					
55-14TC8-P	San Benito	119	E	Across Tres Pinos Cr. Abt. 8 Mi. S. of Hollister	0.7	6/29/54	Granite Constr. Co.	Gr., P.M.S. & R.C. Br.	85,127
55-5VC7-P	SBt, SLO, S.B, Mon	119; 2, 56; 80; 118	Var	See Monterey County					
	San Benito			Various Locations				Minor D.L. Projs.	3,845
55-14VC1	SBd, L.A	19	A, Pom	See Los Angeles County					
8V38	SBd, Riv	26	B, A, Bau	Bet. 2.3 Mi. E. of Redlands & Beaumont	9.6	3/ 2/50	Day Labor	Signs & Stripes	11,000
54-8VC2-F	San Bernardino	26	C, Upl, Ont, D	Bet. Los Angeles Co. Line & Archibald Ave.	7.2	4/ 1/53	J. A. Payton-Clyde W. Wood & Sons, Inc. & Geo. Herz & Co.	Gr. & P.C.C. on C.T.S.	2,465,387
54-8VC15	San Bernardino	26	C, Upl, Ont, D	Bet. Central Ave. & Archibald Ave.		10/14/53	Paul R. Gardner	Lights & Illum. Signs	73,317
52-8V12	San Bernardino	31	B	Bet. N. of Devore & S. of Gish UP.	9.3	12/ 5/51	Day Labor	Signs, Stripe, & Erosion Control	14,500
54-8V2	San Bernardino	31	B, C	0.5 Mi. S. of Gish UP. to Palmdale Rd.	2.7	4/30/54	Day Labor	Signs & Stripe	7,500
54-8VC23-F	San Bernardino	31	B, C	Bet. 0.5 Mi. S. of Gish UP. & Palmdale Rd.	17.4	3/31/54	Griffith Co.	Gr., C.T.B., P.M.S. & Extend 2 Stl. UPs.	1,858,951
54-8VC26	San Bernardino	31	D	Bet. Adelanto Rd. & 0.2 Mi. N. of Mojave Riv. Br. near Victorville (Por.)		5/25/54	E. L. Yeager Co.	Chnlz. & Surf. Br.	20,852
54-8VC25	San Bernardino	31	G, H, J	Bet. Jct. Rte. 58 Abt. 1 Mi. N'ly of Barstow & Cronise Valley	42.3	5/11/54	Geo. Hertz & Co.	Gr., B.S.T. & Sl. Ct.	225,351
53-8V13	San Bernardino	31, 58	Bsw	Bet. 450 Ft. W. of S. First St. & Muriel Dr.	0.9	9/15/52	City of Barstow	Surf.	5,000
55-8VC3	SBd, Riv	31, 43, 58; 194	Var	Various	22.0	5/24/54	Vernon Paving Co. & Dana Co., Inc.	P.M.S.	126,517
54-8V1	San Bernardino	43	H	Bet. Big Bear City & Box "S" Ranch (Pors.)	2.0	6/12/53	Day Labor	Gr. & Surf.	10,000

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-14V2	San Bernardino	43	SBd	Arrowhead Sta. Gr. Crossing at Sierra Way		12/17/53	Day Labor	Install Flashing Signals	$5,000
55-8VC1	San Bernardino	43	SBd	Bet. Rte. 190 & 0.5 Mi. N. of 40th St.	2.4	4/ 1/54	Herz Paving Co.	P.M.S. & Sl. Ct.	50,337
54-8VC18	San Bernardino	58	F, G, H	Bet. Daggett & 8.0 Mi. W. of Ludlow	34.3	12/30/53	Granite Const. Co.	Widen, P.M.S. & B.S.T.	329,834
54-8VC28	San Bernardino	58	H, J	Bet. 8 Mi. W. of Ludlow & 16 Mi. W. of Amboy	19.8	6/ 3/54	Granite Constr. Co.	P.M.S. & Sl. Ct.	277,024
54-14V3	San Bernardino	58	J	E. Ludlow Gr. Crossing		2/17/54	Day Labor	Crossing	18,500
54-8VC24	San Bernardino	59	D	Bet. Rte. 188 & Arrowhead Lake Rd.	5.9	4/22/54	A. S. Hubbs	I.B. & B.S.T.	37,848
54-8VC17	San Bernardino	77	A	Bet. Merrill Ave. & Pipe Line Ave.	0.9	11/25/53	George Herz & Co.	Gr., P.M.S. on I.B.M., 1 Stl. Br. & 1 R.C. Br.	193,948
55-8VC2-FP	San Bernardino	145	C	Bet. 8.0 Mi. & 3.0 Mi. S. of Rte. 58	4.7	4/ 1/54	Robert E. L. Parker Co.	Gr., Base Mtl. & R.M.S.	93,206
53-8V17	San Bernardino	188	A	Bet. Mile 4.70 & Mile 6.75	2.1	5/ 7/53	Day Labor	Gr. & Surf.	24,500
53-14V14	San Bernardino	192	Ont	On Euclid Ave., Southern Pacific Company's Gr. Crossing		11/14/52	Southern Pacific Co.	Install Flashing Signals	5,000
	San Bernardino			Various Locations				Minor D.L. Projs.	31,247
54-14VC9-FP	San Diego	2	D	At Basilone Rd. Abt. 3 Mi. S. of San Clemente	0.4	9/ 1/53	Webb & White	Gr., P.M.S. on C.T.B., Stl. & R.C. Br.	95,046
54-11VC11-F	San Diego	2	G	Bet. the International Border & 0.3 Mi. S. of Nestor	3.9	10/ 5/53	J. A. Payton Co.	Gr., P.M.S. on C.T.B., R.C. Ped. UC. & R.C. UC.	1,198,829
53-11V14	San Diego	2	Ocn, Cbd	Bet. Buena Vista Lagoon & San Luis Rey Riv.	3.1	12/10/52	Day Labor	Signs & Stripes	6,000
54-14V1	San Diego	2	S.D	At Schley St. Gr. Crossing		8/20/53	Day Labor	Install Flashing Signals	2,500
54-11VVC3	San Diego	2	S.D	At Intrs. of Harbor Dr. with Belt St.		6/16/54	Cox Bros. Constr. Co.	Traffic Bars and M.P. Guard Railing	1,898
54-11VC18-FP	San Diego	2	S.D	Bet. 1.0 Mi. S. & 0.7 Mi. N. of Balboa Ave.	1.7	12/16/53	R. E. Hazard Const. Co. & W. F. Maxwell	Gr., P.C.C. on C.T.S., P.M.S. on C.T.B., 3 R.C. UC's. & R.C. Br.	1,284,011
54-11VC20	San Diego	2	S.D	Bet. 1 Mi. S. & 0.7 Mi. N. of Balboa Ave.		2/ 8/54	Pacific Electric	Lights	16,898
54-11V2	San Diego	12, 77, 200	S.D, A, LMsa; S.D; S.D	Rte. 2 to El Cajon Blvd. in La Mesa; Market St. to Washington St.; Rte. 2 to Rte. 77		5/24/54	Day Labor	Signs	9,900

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-11VC31	San Diego	77	B	At Lake Hodges, Abt. 5 Mi. S. of Escondido	1.6	6/25/54	Marsch Constr. Co.	Gr., P.M.S. & Stl. Br.	$324,531
55-11VC4	San Diego	78, 200	A; A, B, C, E	Various	9.8	5/25/54	E. Paul Ford Co.	I.B. & B.S.T.	36,747
55-11VC5	San Diego	78, 195, 198	Var	At Various Locations	12.0	5/25/54	Einer Bros., Inc.	I.B. & B.S.T.	40,058
54-11VC12	San Diego	195	D	Bet. 0.3 Mi. W. of Palomar Mountain Rd. & NE. Boundary of Rancho Cuca	1.9	10/28/53	Arthur A. Johnson	Gr. & B.S.T.	191,376
54-11VC28	San Diego	196	Cbd, Ocn, A	Bet. Rte. 2 in Oceanside & 3.3 Mi. E.	3.3	6/ 2/54	Einer Bros., Inc.	Sl. Ct.	9,098
54-11VC26	San Diego	196	Ocn, A	Bet. 3.3 Mi. E. of Rte. 2 & Vista	3.4	5/ 7/54	W. F. Maxwell Co. & Hermreck & Easter	Gr. & P.M.S. on C.T.B.	656,561
54-11VC14	San Diego	198	H, D	Bet. 5.6 Mi. & 3.6 Mi. W. of Ramona, at E.C.L. of Ramona & at Suthland Dam Rd.	1.7	11/ 4/53	Einer Bros., Inc.	Gr. & B.S.T.	117,970
54-11VC24	San Diego	199	A	Bet. Palm City & Coronado Heights	1.9	4/22/54	J. A. Payton	Gr. & P.M.S. on C.T.B.	352,744
54-11VVC2	San Diego	200	A	At Intrs. of Campo Rd. with Bancroft Dr. Abt. 1.5 Mi. SE. of La Mesa		6/16/54	Cox Bros. Constr. Co.	Chanlz.	2,804
54-11VC13	San Diego	200	C	Bet. Barrett Jct. & 1.9 Mi. E.	1.9	10/30/53	L. C. Anderson Co. & E. Paul Ford Co.	Gr., B.S.T. & R.C. Br.	415,379
	San Diego			Various				Minor D.L. Projs.	30,327
53-14TC15-F	San Francisco	2	S.F	On 13th St. Bet. Mission St. & Rte. 68	0.8	7/14/52	Chas. L. Harney, Inc.	Por. of Stl. Br. & Ramps	3,093,347
53-14TC38-F	San Francisco	2, 68	S.F	Wye Viaduct & Ramps		6/26/53	Chas. L. Harney, Inc.	Gr., I.B.M. & P.M.S. on C.T.B., Por. Stl. Br.	828,655
54-4T9	San Francisco	55	S.F	San Francisco-San Mateo Co. Line to 0.2 Mi. N. of Lake Merced Blvd.	1.0	4/28/54	City of San Francisco	Widen & Realign Roadway	350,000
15T7	S.F, Ala	68, 5	S.F, Oak	San Francisco-Oakland Bay Br.		6/30/50	Day Labor	Operation, Maint. & Insurance	1,495,924
54-4TC8-F	San Francisco	68	S.F	Bayshore Frwy. Bet. Hester Ave. & Alemany Blvd.	1.7	5/25/53	Chas. L. Harney, Inc.	Gr., P.C.C. on C.T.S., P.M.S. on C.T.B. Stl. & Conc. Br., 4 R.C. UC's., 2 R.C. OC's., 2 R.C. Ped. UC's, 2 R.C. Ped. OC's, Signals & Lights	2,389,710

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-4T16	San Francisco	68	S.F	Eighth St. to Fourth St.		6/23/54	Day Labor	Signs & Stripes	$7,000
54-14TC30	San Francisco	68	S.F	Bet. Eighth St. & Fourth St.	0.7	10/ 8/53	Charles L. Harney, Inc.	Stl. & R.C. Br., Gr., & P.M.S. on C.T.B.	3,905,273
54-14TC43	San Francisco	68	S.F	Bet. Fifth St. & Third St.		5/ 4/54	Eaton & Smith	R.C. & Stl. Br. (Por.)	956,487
54-15TC1	San Francisco	68	S.F	On Harbor Piers 24 & 26		3/ 9/54	Grinnell Co. of the Pacific	Repair Sprinkler System	10,927
54-15TC2	San Francisco	68	S.F	San Francisco-Oakland Bay Br.		5/26/54	Payne Constr. Co.	Reinf. Insp. Br. Rail Joints	10,552
55-4TC16	San Francisco	68	S.F	At Alemany Rotary		6/23/54	O. C. Jones & Sons	Widen On-Ramp & P.M.S. on C.T.B	19,327
54-4T6	San Francisco	68	S.F	Bayshore Frwy. at Army St.		12/10/53	Day Labor	Revise southbound off-ramp	15,000
54-4T4	San Francisco	68	S.F	Hester Ave. to Alemany Blvd.		10/29/53	Day Labor	Signs, Stripe	13,000
54-14BBC1	San Francisco	68	S.F	Near portals of Yerba Buena Island Tunnel of S.F.O.-B.B.		6/29/54	Chas. L. Harney, Inc.	Widen & modify Ramps & P.M.S.	240,177
54-4TC60	S.F, S.M	68	S.F, E	See San Mateo County					
55-4TC7	S.F, S.M, SCl	Var	Var	Various	7.6	5/ 4/54	L. C. Smith Co.	P.M.S.	57,771
	San Francisco			Various				Minor D.L. Projs.	6,800
54-10TC25	San Joaquin	4	A	Bet. 1 Mi. N. of Ripon & Austin Rd.		6/ 2/54	Collins Elc. Co., Inc.	Lights	12,577
54-10T7	San Joaquin	4	A; Mtca, B	Abt. 2.5 Mi. S. of Manteca near Sta. 280		6/15/54	Day Labor	Material Site	282,000
54-10T3	San Joaquin	4	Rip, A	Ripon to 0.7 Mi. W. of Austin Rd.		10/19/53	Day Labor	Signs & Stripes	6,100
54-10TC6-F	San Joaquin	4	Rip, A	Bet. Ripon & 0.7 Mi. W. of Austin Rd.	4.3	7/17/53	Lord & Bishop & M.J.B. Const. Co.	Gr. P.C.C. on C.T. S., P.M.S. & 2 R.C. OC's.	1,180,246
53-10T16	S.J, Sol, C.C	5, 53, 75, 53 208, 11	Var	See Solano County					
54-10TC28-F	S.J, Ala	5	A; E, A	See Alameda County					
54-10T2	San Joaquin	5	B	Mossdale UC.		3/ 3/54	Day Labor	Drainage	7,750
55-10TC12	San Joaquin	5	C	Bet. Jct. with Rte. 4 & Linden (Pors.)	4.0	5/21/54	A. Teichert & Son, Inc.	P.M.S.	17,887
54-10TC14	San Joaquin	41	A	At Siphon Curve Abt. 0.1 Mi. S'ly. of Intrs. of Bird & Linne Rds.	0.5	10/20/53	Stephens Trucking Co.	Gr. & P.M.S. on U.R.B.	91,299
55-10TC3	San Joaquin	75	A, B	Bet. Holt & Rte. 4 (Pors.)	3.0	4/ 1/54	Nomellini Construction Co.	Gr., U.R.B. & P.M.S.	131,278
54-14TC39	San Joaquin	75, 53	A, C	Across San Joaquin Riv. at Garwood Ferry & Potato Sl. at Terminous		3/ 1/54	Stolte, Inc.,-Cantor & Coull	Timber Pile Dolphins	29,323

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-10TC16	San Joaquin	75	Stkn	Bet. 0.1 Mi. W. of McDougald Canal & French Camp Turnpike	0.5	6/ 1/54	A. Teichert & Son, Inc.	P.M.S. on U.R.B.	$105,014
55-10TC4	San Joaquin	97	A	Bet. Calaveras Riv. & Jct. with Rte. 24 (Pors.)	4.8	4/ 1/54	Claude C. Wood Co.	P.M.S. & U.R.B.	58,441
54-10TC19	San Joaquin	97	B	Bet. 1 Mi. E. of Clements & 0.75 Mi. N. of Mokelumne Riv.	1.4	12/ 3/53	Stolte, Inc. & Stephens Trucking Co.	Gr., P.M.S. on U.R.B. & R.C. Br.	272,303
54-14DC12-P	S.J, Sac	FAS 900		See Sacramento County					
	San Joaquin			Various Locations				Minor D.L. Projects	14,475
54-5VC19	San Luis Obispo	2	B	Bet. Atascadero & Paso Robles	8.4	4/13/54	Huettig, Schromm & Bennett, Inc.	Prot. Screen Planting	10,122
55-5VC3	San Luis Obispo	2	C	Over Yorba Buena Cr. at Santa Margarita	0.1	4/ 1/54	Gordon H. Ball & San Ramon Valley Land Co.	Gr., P.M.S. on C.T.B. & R.C. Culv.	42,903
54-5VC22	San Luis Obispo	2	E, SLO	Bet. Pismo Beach & Marsh St. in San Luis Obispo	6.8	6/11/54	Baker & Pollock	P.M.S. & Sl. Ct.	164,186
55-5VC1-F	San Luis Obispo	2	PsRs, A	Bet. Paso Robles & San Miguel	6.6	4/ 1/54	Gordon H. Ball & San Ramon Valley Land Co.	Gr., P.C.C. on C.T.S. & P.M.S. on C.T.B.	1,084,396
54-5V2	San Luis Obispo	2	SLO	Marsh St. to San Luis Obispo Cr.		4/27/54	Day Labor	Signs & Stripes	8,000
54-5VC14	San Luis Obispo	2	SLO	Bet. Marsh St. & San Luis Obispo Cr.	2.4	12/17/53	Fredricksen & Watson Constr. Co.	Gr., P.C.C. on C.T.S., & P.M.S. on I.B.M. & C.T.B.	580,864
55-VC5	San Luis Obispo	2	SLO	Bet. Marsh St. & San Luis Obispo Cr.		4/ 1/54	Howard Electric Co.	Lights & Illum. Signs	51,128
55-5VC7-P	SLO, S.B, Mon, SBt.	2, 56; 80; 118; 119	Var	See Monterey County					
54-5VC7	San Luis Obispo	33	A	Bet. Huer Huero Cr. & 1 Mi. W. of Estrella Riv.	7.3	10/19/53	Madonna Construction Co.	Gr., P.M.S. on I.B.M. & C.T.B. & 2 R.C. Brs.	780,049
54-5VC10	San Luis Obispo	33	C	Bet. Palo Prieto Rd. & Rte 125	2.4	11/24/53	Valley Paving Co.	Gr., P.M.S. on C.T.B. & R.C. Br.	215,904

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-14VC3-F	SLO, S.B.	56	E; Ddlp, E	See Santa Barbara County					
54-5VC9	San Luis Obispo	125	A	Bet. Rte. 56 near Morro Bay & 2.6 Mi. E.	2.6	11/ 2/53	Valley Paving Co.	Gr., I.S.M., I.B.M. & B.S.T.	$132,472
	San Luis Obispo			Various Locations				Minor D.L. Projects	29,360
54-4TC30	San Mateo	2	SSF, A	Bet. 0.1 Mi. N. of Country Club Dr. & Roosevelt Ave.	0.3	9/22/53	L. C. Smith Co.	Gr., P.M.S. on C.T.B.	59,178
54-4TC21	San Mateo	55	A, DIC	Bet. Edgemar Rd. & Alemany Blvd.	2.3	8/19/53	Edward Keeble	Gr., P.M.S. on U.R.B. & Lights	639,633
55-4TC14	San Mateo	56	B	Bet. 0.4 Mi. S. of Tunitas Cr. & Tunitas Cr. Abt. 2 Mi. S. of Lobitos	0.2	6/16/54	John A. Carstensen	Gr. & P.M.S. on U.R.B.	42,957
55-4TC6	San Mateo	56, 105	C, A	Bet. 0.2 Mi. N. of Canada Verde Cr. & Frenchman's Cr.	4.0	4/ 1/54	L. C. Smith Co.	Gr., P.M.S. on I.B.M. & R.C. Br.	548,618
54-4TC52-F	San Mateo	56	DIC	Intrs. of Alemany Blvd. with Lynnewood Dr.-Lake Merced Blvd. & with Park Plaza Dr.-Cliffside Dr.	0.5	3/24/54	L. C. Smith Co.	Signals, Lights & Chnlz.	75,625
52-4T12	San Mateo	68	D	At San Francisquito Cr.		9/19/51	Day Labor	Bank Protection	9,000
54-4TC60	S.M., S.F.	68	E, S.F	Bet. 0.1 Mi. S. of S.C.L. of San Francisco & Third St. OC. Struct.	0.7	5/ 4/54	Dan Caputo & Edward Keeble	Gr. & 2 R.C. Brs.	702,324
52-4T21	San Mateo	68	S.M	Bayshore Frwy. Bet. Dakota Ave. & Newbridge Ave.		4/21/52	City of San Mateo	Storm Drain	66,731
53-4T33	San Mateo	68	S.M, C	Through San Mateo to 0.1 Mi. S. of San Mateo	2.6	3/27/53	Day Labor	Signs & Stripe	9,500
53-4TC42-F	San Mateo	68	S.M, C, Bmt, SCar	Bet. 0.1 Mi. N. of 16th Ave. & 0.2 Mi. S. of Bransten Rd.	5.0	6/ 8/53	Piombo Const. Co.	Gr., P.M.S. on C.T.B., 5 R.C. & Stl. OC's., 2 R.C. Brs. & Extend R.C. Culv.	4,143,544
53-4T39	San Mateo	68	S.M, C Bmt, SCar	Bet. 0.1 Mi. N. of 16th Ave. & 0.2 Mi. S. of Bransten Rd		6/30/53	Day Labor	Signs, Stripe & Markings	6,000
54-SMAC3	S.M, Ala.	105	B, A	Across San Francisco Bay Bet. San Mateo & Hayward		4/22/54	F. W. Case Corp.	Repair Bride Bent 603 to Bent 823	554,943
54-4TTC5	San Mateo	107	RdwC	Intrs. of Woodside Rd. & Massachusetts Ave.		6/23/54	J. Henry Harris	P.M.S. on U.R.B.	3,069
55-4TC7	S.M, S.F, SCl.	Var	Var	See San Francisco County					
54-4DC6-P	San Mateo	FAS 1048		On Canada Rd. Bet. Rte. 107 at Woodside & Rte. 214	7.2	6/25/54	Douglass & Woodhouse	P.M.S.	61,620
	San Mateo			Various Locations				Minor D.L. Projects	45,335

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-5V3	Santa Barbara	2	D	In the Santa Ynez Riv. Basin, 1500 ft. W. of Santa Ynez Br. Crossing on Rte. 2, Abt. 0.2 Mi. S. of Buellton		5/19/54	Day Labor	Material Site	$10,000
54-5V1	Santa Barbara	2	D, C	1.0 Mi. S. of Zaca to Wigmore		3/ 2/54	Day Labor	Signs & Stripes	5,300
54-5VC12	Santa Barbara	2	D, C	Bet. 1 Mi. S. of Zaca & Wigmore	5.9	11/30/53	Madonna Construction Co.	Gr. & P.M.S. on C.T.B.	1,100,338
54-5VC15	Santa Barbara	2	E	Bet. Gaviota & 0.5 Mi. N. of Las Cruces	4.2	1/15/54	Rudolph Watson	Roadside Development	22,419
55-5VC8	Santa Barbara	2	H	Bet. 1 Mi. E. of Carpenteria & Cravens Lane		6/22/54	L. H. Leonardi Elc. Constr. Co.	Lights & Illuminated Signs	18,995
55-5VC4-F	Santa Barbara	2	H, J	Bet. 1 Mi. E. of Carpenteria & 0.5 Mi. E. of Arroyo Parida	3.4	4/ 1/54	Griffith Company	Gr., P.C.C. on C.T.S. & P.M.S. on C.T.B.	829,209
54-7VC73	S.B, Ven	2	H; F, G	See Ventura County					
54-5VC11	Santa Barbara	2	J	Bet. 0.3 Mi. E. of Arroyo Parida & Ortega Hill	3.2	11/30/53	Jannoch Nurseries	Roadside Development	34,044
54-5VC6	Santa Barbara	2	S.B	Bet. Park Pl. & Rancheria St.	2.2	10/28/53	Watkin & Sibbald	Roadside Development	70,416
54-5VC23	Santa Barbara	2	SMra, A	Bet. S.C.L. & N.C.L. of Santa Maria	2.4	6/29/54	Baker & Pollock	Widen & P.M.S. on C.T.B. & exist. pavt.	288,785
55-5VC6	Santa Barbara	56, 149	Lom	Bet. W. & E. City Limits & Bet. Jct. Rte. 149 & College Ave.	2.6	5/ 4/54	Hermreck & Easter	P.M.S.	50,475
55-5VC7-P	S.B, Mon, SBt, SLO	80; 118; 119; 2, 56	Var	See Monterey County					
54-14VC3	S.B, Ven	138	A, E	See Ventura County					
53-14V10	Santa Barbara	148	A	Guadalupe Gr. Crossing No. E-276.8		6/30/52	Southern Pacific Co.	Install Flashing Lights	7,100
54-5VC21-FP	Santa Barbara	149	D	Bet. Buellton & Rte. 80	3.3	6/ 2/54	Madonna Constr. Co.	Gr. & P.M.S. on U.R.B. & R.C. Br.	226,836
	Santa Barbara			Various Locations				Minor D.L. Projects	23,145
54-4T5	Santa Clara	2	A, Sunv	Sta. 391+78 to Sta. 453+37		12/10/53	Day Labor	Interceptor Storm Sewer	24,500
55-4TC17	Santa Clara	2	Gil, C	Bet. 0.1 Mi. S. of S.C.L. & N.C.L. of Gilroy	1.6	6/24/54	Granite Constr. Co.	Widen Rdwy., P.C.C. & P.M.S., Widen R.C. Br.	281,000

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-4TCC4	Santa Clara	2	LATs	Intrs. El Camino Real with San Antonio Ave.		6/18/54	Progress Electric Co.	Modify Signals & Traffic Islands	$2,824
53-4T22	Santa Clara	2	MgH	At Bisceglia Ave. & Bet. Main St. & El Toro Ave.		12/11/52	Day Labor	Reconstruct. Shldrs. & Drainage	11,800
53-4T23	Santa Clara	2	MVw, A	At Rengstorff Ave.		12/12/52	City of Mountain View	Storm Drain	5,000
54-4TTC3-P	Santa Clara	2	P.A	Intrs. of El Camino Real with California Ave.		6/ 1/54	Howard Electric Co.	Signals	1,525
54-4T14	Santa Clara	2	SJs	At various intrs.		5/18/54	City of San Jose	Lighting	14,360
54-4TMC28-P	Santa Clara	2, 5	SJs	On The Alameda Bet. Hanchette Ave. & N. Keeble Ave.		12/23/53	L. C. Smith Co.	Signals, Lights & Chnlz.	42,918
54-4T7	SCl, Ala	5, 69	A; E, C	Rte. 68 to Rte. 5 near Warm Springs		2/17/54	Day Labor	Signs, Stripe & Markings	9,000
53-4T38-Y	Santa Clara	5	C	In the Vicinity of Lexington Dam		6/ 4/53	Day Labor	Drainage Corrections	7,850
54-4TC53	Santa Clara	5	Cmb, B	Bet. 0.2 Mi. S. & 0.2 Mi. N. of Hamilton Ave.	0.4	3/24/54	A. J. Raisch Paving Co.	Widen with P.M.S., Signals & Lights	48,820
54-4T15	Santa Clara	5	SJs	Intrs. of Bailey Ave. & Daniel Way to the Guadalupe Riv. near Hamline St.		5/18/54	City of San Jose	Storm Sewer	16,850
54-4T2	Santa Clara	42	A, LGts	At Sta. 65+90		7/13/53	Day Labor	Drainage	12,800
53-4T10	Santa Clara	55	B	Bet. Rte. 5 near Woodwordia & the Black Rd.		7/14/52	Day Labor	Widen Roadbed	36,000
54-4T12	Santa Clara	68	B, SJs	On Commercial St., 10th St. to Fourth St.		4/21/54	Day Labor	Storm Sewer	7,249
53-4TC23-F	SCl, Ala	69, 5	A, E, C	Bet. Rte. 68 at Gish Rd. & Warm Springs	8.1	8/27/52	Granite Const. Co.	Gr., P.C.C. on C.T.B., P.M.S., 2 Stl. UP's, R.C. Sep. Struct. R.C. OC. & R.C. Br.	2,758,367
52-14T16	Santa Clara	113	A	At Mountain View Crossing on Alviso Rd.		5/13/52	Day Labor	Flashing Light Signals	7,600
55-4TC9	SCl, C.C, Ala	Var	Var	See Contra Costa County					
55-4TC7	SCl, S.F, S.M	Var	Var	See San Francisco County					
54-4DC2	Santa Clara	FAS 999		On Grant Rd. Bet. Fremont Ave. & El Camino Real	2.0	9/17/53	Leo F. Piazzo Paving Co.	Gr., P.M.S. on U.R.B.	120,150
	Santa Clara			Various Locations				Minor D.L. Projs.	48,510
55-4TC15	Santa Cruz	67	A	Bet. 1.3 Mi. & 3.2 Mi. E. of Watsonville	2.0	6/16/54	Edward Keeble	P.M.S. on Shldrs.	37,115
54-4TC48	Santa Cruz	67	A	Bet. 6.2 Mi. E. & 8.5 Mi. E. of Watsonville (Pors.)	0.8	2/ 4/54	Granite Const. Co.	Gr. & P.M.S. on U.R.B.	148,862
54-4TC59	Santa Cruz	116	B	Bet. Boulder Cr. & Waterman Gap		4/22/54	Granite Const. Co.	Drainage Structrs.	32,944

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-4DC5-P	Santa Cruz	FAS 1144		Mt. Hermon Rd. Bet. Camp Evers & Mt. Hermon	1.3	3/ 1/54	Granite Const. Co.	Gr. & P.M.S. on U.R.B.	$59,475
	Santa Cruz			Various Locations				Minor D.L. Projs.	35,005
53-14T10	Shasta	3	B	At Pit Riv.		9/15/52	Southern Pacific Co.	Reconst. Main Track Stringer Cross-frames	7,400
54-2TC14	Shasta	3	B	Bet. 1 Mi. S. of Project City & Mountain Gate	3.7	4/20/54	Fredrickson & Watson Const. Co.	Gr. & P.M.S. on C.T.B.	736,101
55-2TC11	Shasta	3	Rdg	On Sacramento Riv. Br. in City of Redding		6/28/54	Walter H. Lindeman	Widen Sidewalk	7,445
54-2TC13	Shasta	3	Rdg, B	Bet. Suplher Cr. & Project City	5.2	4/13/54	Rice Brothers, Inc.	Gr. & P.M.S. on C.T.B.	623,156
55-14TC1	Shasta	20	C	Across Clover Cr. Abt. 5 Mi. W. of Millville	0.2	4/ 1/54	Fredrickson & Watson Const. Co.	R.C. Br. & Apps.	69,168
55-14TC2	Shasta	29	A	Across Middle Fk. Cottonwood Cr. Abt. 3.6 Mi. W. of Beegum		4/ 1/54	James B. Allen	Redeck Timber Br. with Precast R.C. Deck	15,690
54-2DC1	Shasta	FAS 1073		Bet. 0.2 Mi. S. of Palo Cedro & Bella Vista	5.9	11/ 4/53	Fredrickson & Watson Const. Co.	Gr. & P.M.S. on I.B.M.	242,900
53-2DC1	Shasta	FAS 1075		Bet. 0.3 Mi. W. of Cow Cr. & 0.7 Mi. W. of Whitmore	4.0	5/ 7/53	Transocean Engr. Co.	Gr., I.B.M. Sl. Ct., R.C. Br.	223,200
	Shasta			Various Locations				Minor D.L. Projs.	25,090
55-14TC3	Sierra	25	A	Across Goodyear Cr. Abt. 4.3 Mi. W. of Downieville		7/ 8/54	R. G. Clifford, C. O. Bodenhamer	Stl. Br. & Apps.	36,163
54-3T3	Sierra	25	A	Bet. 2.6 Mi. E. of Yuba Co. Line & 0.1 E. of the N. Fk. of Yuba Riv.	0.3	8/18/53	Day Labor	Gr. & Surf.	40,000
53-3T21	Sierra	38	A	Near Verdi at the Nevada State Line	0.1	4/ 9/53	State of Nevada	Gr. & Surf.	25,000
54-3TC16-FP	Sierra	83	A, B	Bet. 3.8 Mi. & 2.5 Mi. W. of Loyalton & Bet. Little Truckee Summit Abt. 17 Mi. N. of Truckee & 0.4 Mi. N. of Sattley	13.6	6/11/54	Munn & Perkins	Gr. & P.M.S. on U.R.B.	170,169
	Sierra			Various Locations				Minor D.L. Projs.	3,925
53-2TC2-F	Siskiyou	3	A	Bet. Dunsmuir & Big Canyon	4.3	5/ 9/52	A. Teichert & Son, Inc.	Gr. & P.M.S.	1,116,445
54-2T8	Siskiyou	3	A	Sta. 153 to Sta. 160		5/18/54	Day Labor	Install Drainage System	30,000

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-2T9	Siskiyou	3	B	On Greenhorn Cr. 1.12 Mi. W. of Sta. 556+50		5/19/54	Day Labor	Material Source	$6,600
55-2TC8	Siskiyou	3	B, Yre	Bet. 9.2 Mi. S. of Yreka & 0.6 Mi. N. of S.C.L. of Yreka	3.5	5/25/54	Morgan Const. Co.	R.M.S.	19,974
54-14TC21	Siskiyou	3	Dmr, A	Bet. Spring St. & First St. near Dunsmuir	0.5	7/30/53	Charles MacClosky Co.	Widen R.C. Br., Gr. & P.M.S. on C.T.B.	698,421
54-2T5	Siskiyou	46	D	Walker Br. to Rte. 3	0.8	11/12/53	Day Labor	Improve Roadbed	16,000
54-14TC36	Siskiyou	46	D	Across Klamath Riv. at Walker		1/15/54	James H. McFarland	Reconst. Stl. & Timber Br. & Apps.	35,518
55-2TC3	Siskiyou	72	B	Bet. 0.8 Mi. N. of Horsethief Cr. & Macdoel	10.8	4/ 1/54	Clements Const. Co.	Resurf. with P.M.S.	139,428
55-2TC4	Siskiyou	72	B, C	Bet. 3.7 Mi. N. of Cougar & 2.1 Mi. N. of Macdoel (Pors.)	4.3	5/ 4/54	Clements Const. Co.	P.M.S.	32,186
54-2TC17	Siskiyou	72	C	Bet. Dorris & Oregon State Line	2.9	5/14/54	Clements Constr. Co. & Clements & Co.	Gr. & P.M.S. on C.T.B.	345,108
54-2TC16-F	Siskiyou	82	D	Bet. Moffett Cr. & 1 Mi. W. of Forest Mountain Summit	2.4	5/ 4/54	Peter Kiewit Son's Co.	Gr. & R.M.S. on C.T.B.	394,843
	Siskiyou			Various Locations				Minor D.L. Projs.	19,080
54-3TC12	Sol, Yol	6, 7	E, A	At Jct. U.S. 40 with new U.S. 99W. & at Woodland Wye W. of Davis		1/27/54	Howard Electric Co.	Lights & Illum. Signs	19,901
52-10T11	Sol, Yol	7, 6	A, E, Vac, D, E, I	Vacaville & Davis Connections		5/ 8/52	Day Labor	Remove & Readjust Access Facilities & Monuments	5,000
54-10T6	Solano	7	C	Sta. 45+50 to Sta. 62+98.81		3/ 2/54	Day Labor	Const. frontage Rd.	26,200
54-3TC4-F	Sol, Yol	7	E, A	Bet. Rte. 6 & 0.5 Mi. N. of Woodland Wye	2.5	7/ 9/53	Gordon H. Ball & San Ramon Valley Land Co.	Gr., P.C.C., R.C. UC. & Stl. & Conc. Sep. Str.	657,758
53-10T13	Solano	7	F	At the right of Sta. 59+00 to Sta. 65+00		9/29/52	Day Labor	Correct Slide Area	19,000
55-10TC2	Solano	7	G	Bet. Tennessee St. & Jct. Rte. 208	1.6	4/ 1/54	Lee J. Immel	C.T.B. & P.M.S.	89,324
55-10TC8	Solano	7, 53, 101	Var	Various Locations	9.9	5/ 4/54	Fredrickson Bros.	P.M.S.	66,528

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
53-10T16	Sol, C.C, S.J	53, 208, 11, 5, 53, 75	Var	Brs. across Sacramento Riv. at Rio Vista, across Napa Riv., across San Joaquin Riv. at Antioch, Mossdale & at Garwood Ferry, across Mokelumne Riv., across Old Riv. & across Potato Slough		5/ 7/53	Day Labor	Install Safety Features	$7,100
55-10TC10	Solano	74	D, Val	Bet. Vallejo Wye & Vallejo	0.7	5/10/54	Parish Bros.	Widen & P.M.S.	144,556
54-10DC2	Solano	FAS 1107		Bet. Travis Air Force Base Access Rd. & Vacaville	5.0	8/25/53	Fredrickson Bros.	Gr. & P.M.S. on U.R.B.	223,799
	Solano			Various Locations				Minor D.L. Projs.	17,478
55-4TC2	Sonoma	1	A, Clvd, B, Hlbg, C	Bet. N.C.L. of Cloverdale & Wilfred Crossing	5.6	4/ 1/54	Arthur B. Siri, Inc.	C.T.B., U.R.B. & P.M.S.	167,475
54-14TC19-F	Sonoma	1	F	Across Petaluma Cr. & over Northwestern Pacific Railroad Company Tracks Abt. 1 Mi. E. of Petaluma		7/17/53	Erickson, Phillips & Weisberg	R.C. Br.	897,715
54-4TC63-F	Sonoma	1	F, Pet, C	Bet. Railroad Ave. & 1.4 Mi. S. of Petaluma Cr.	8.6	6/ 2/54	Parish Bros. & Carl N. Swenson Co., Inc.	Gr. & P.C.C. on C.T.S. & 10 R.C. Br. & Sep. Str.	3,709,015
53-4T37	Son, Mrn	1, 8, 104	Var	At Petaluma Cr., Brs. No. 27-13, & No. 20-105, Corte Madera Cr., Br. No. 27-08 & Richardson Bay Br. No. 27-10		5/12/53	Day Labor	Install Safety Features	9,450
55-4TC8	Sonoma	56	D	At Kolmer Cr. Br., Miller Cr. Br. & Deadman Gulch		5/ 4/54	James H. McFarland	Culvs.	47,674
53-4T13	Sonoma	56	E	Bet. Stewarts Point & Mendocino Co. Line near Gualala (Pors.)		9/16/52	Day Labor	Base, Surf. & Drainage	15,500
53-4T35	Sonoma	104	Seb	Bet. Wilton Ave. & Keating Ave.		5/ 7/53	City of Sebastopol	Drainage	6,000
55-4TC11	Son-Nap	Var	Var	At Various Locations on Rtes. 48, 103, 1, 104, 8, 51 & 74	5.7	5/21/54	Lee J. Immel	P.M.S.	46,927
	Sonoma			Various Locations				Minor D.L. Projs.	59,005

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
55-10TC6	Stanislaus	4	A, Tur	Bet. 0.6 Mi. S. of Turlock & Faith Home Rd. (Pors.)	1.5	4/ 1/54	Ukropina, Polich, Kral & Ukropina	Gr., P.M.S. C.T.B. & U.R.B.	$93,735
54-10TC24	Stanislaus	4	B	Intrs. U.S. 99 with Hatch Rd. near Modesto		5/27/54	Industrial Electrical Co.	Signals, Lights & Chnlz.	31,248
54-10T4	Stanislaus	4	Mod	Modesto Spur Crossings		12/29/53	Day Labor	Flashing Signals & Illum.	7,000
54-10TC22	Stanislaus	4	Mod	At Tully Rd. & at Woodland-Coldwell Ave.		4/ 7/54	Industrial Electrical Co.	Lights	3,711
55-10TC14	Stanislaus	13, 110	A, D	Bet. Salida & Jct. with Rte. 109 & Bet. 3.7 Mi. E. of Waterford & Roberts Ferry Rd.	9.5	5/24/54	Standard Materials Co.	P.M.S.	50,900
55-14TC5	Stanislaus	41	B	Bet. 1.2 Mi. N. of Newman & 0.8 Mi. S. of Crows Landing	0.5	5/25/54	Geo. C. Renz Constr. Co., Inc.	R.C. Brs. & R.C. Cattlepass	97,617
54-10TC16	Stanislaus	110	C	Bet. Empire & Waterford	7.6	11/ 2/53	M. J. Ruddy & Son	Widen & Resurf. with P.M.S.	109,726
	Stanislaus			Various Locations				Minor D.L. Projects	11,469
54-3TC18	Sutter	87	B	Bet. Oswald Rd. & Rte. 15 near Yuba City	5.3	6/23/54	Brown Ely. Co. Contractors & W. H. Darrough & Sons	Gr. & P.M.S. on C.T.B.	572,790
	Sutter			Various Locations				Minor D. L. Projects	6,795
55-2TC1	Tehama	3	D	Bet. Los Molinos & Mill Race Cr.	12.2	4/ 1/54	Fredrickson & Watson Construction Co.	Gr. & P.M.S. on C.T.B.	643,228
54-2TC11	Teh, Sha	3, 7; 3	RBl; A	Intrs. of Main St. with Oak St. in Red Bluff & Rte. 3 with North St. & South St. in Anderson		1/14/54	Collins Electric Co., Inc.	Signals & Chnlz.	41,907
54-14TC29	Tehama	7	Cng, A	Bet. Corning & the South Co. Boundary		10/ 9/53	Ruby Construction Co., Inc. & H. W. Ruby	Widen 9 R.C. Brs.	150,967
55-2TC2-P	Tehama	29	D	Bet. Tedoc Rd. & 3.1 Mi. E'ly.	3.1	4/ 1/54	Eaton & Smith	Gr. & U.R.S.	98,302
54-2DC3-P	Tehama	FAS 1081		Bet. Lane Valley Rd. Abt. 8.5 Mi. N. of Dales & 1.2 Mi. N'ly of Battle Cr.	1.8	6/23/54	C. V. Kenworthy	Gr., I.S.M. & R.C. Cattlepass	44,151
	Tehama			Various Locations				Minor D.L. Projects	18,925

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-2TC2-FP	Trinity	20	A	Bet. 4 Mi. S. of Weaverville & Douglas City	2.3	5/25/53	M. W. Brown and R. E. Hertel	Gr., P.M.S. on C.T.B. & R.C. Br.	$432,614
54-2TC12-F	Trinity	20	A	Bet. 1.8 Mi. E. of Weaverville & 2.3 Mi. W. of Douglas City	2.5	4/16/54	M. W. Brown	Gr., P.M.S. on C.T.B. & Widen R.C. Br.	417,476
54-1T1	Trinity	20	C, D	Bet. Humboldt Co. Line & Prairie Cr. (Pors.)	17.0	6/29/53	Day Labor	Surfacing	50,000
54-1T2	Tri, Hum	20	C, D; D	See Humboldt County					
53-1T10	Trinity	20	D	Bet. Humboldt Co. Line & Prairie Cr. (Pors.)		6/27/52	Honor Camp	Gr.	300,000
54-2TTC2	Trinity	20	E.F	Bet. Prairie Cr. & 5.1 Mi. E. of Helena		4/27/54	Chas. I. Cunningham Co.	Culv. Markers & Guide Posts	4,207
54-2T4	Trinity	20	F	Sta. 279+00 to 285+00		10/16/53	Day Labor	Erosion Protection	6,400
54-2T3	Trinity	35	B	At Hayfork Cr.	6.5	9/24/53	Day Labor	Erosion Prevention	6,600
	Trinity			Various Locations				Minor D.L. Projects	15,710
54-6VC4	Tulare	4, 10	F; A, B	Visalia Airport Interchange	3.2	8/ 5/53	Fredericksen & Kasler	Gr., P.M.S. on U.R.B. & 3 Stl. Brs.	652,059
54-14VC13	Tulare	131	C	Across Kaweah Riv. Abt. 4.6 Mi. E. of Woodlake	0.4	11/ 5/53	W. F. Maxwell	R.C., Br., Gr. & P.M.S. on U.R.B.	151,017
54-14DC14-P	Tulare	FAS 579		Across St. Johns Riv. Abt. 10 Mi. NW. of Visalia		5/ 4/54	Kaweah Const. Co.	R.C. Br.	34,187
54-6DC6-P	Tulare	FAS 1139		On Klink Daly Rd. Bet. State Rte. 132 & State Rte. 133	4.6	4/19/54	L. B. Wells Const. Co.	Gr. & P.M.S. on C.T.B.	129,000
	Tulare			Various Locations				Minor D.L. Projects	19,830
55-10TC21	Tuo, Sta	13	A, B	See Stanislaus County					
54-10TC29	Tuolumne	40	B	Bet. Stevens Bar Br. & Slate Gulch (Por.)	2.8	6/11/54	Kenworthy & Patterson	Gr. & P.M.S. on U.R.B., Stl. Br.	482,459
53-10T11	Tuo, Mpa	110	A, B; A	Bet. Stanislaus Co. Line & Mariposa Co. Line E. of Blanchard	2.3	8/26/52	Day Labor	Gr. & Surface	25,000
	Tuolumne			Various Locations				Minor D.L. Projects	400
54-7VC66	Ventura	2	A	1 Mi. W. of Los Angeles Co. Line, near Thousand Oaks		5/ 4/54	Fredericksen & Kasler	Improve Drainage	13,786
54-7VC45	Ventura	2	A, B	Bet. 0.5 Mi. W. of Rte. 155 & Conejo Gr. Summit	4.1	12/ 9/53	Fredericksen & Kasler	Gr., P.M.S. on U.R.B. & R.C. Br.	605,536
14V2	Ventura	2	B	At. S.P.R.R. Crossing in Camarillo		9/21/49	S.P.R.R. Co.	Signals	13,702
54-7V3	Ventura	2	B, C	Calleguas Rd. to Central Ave.		9/10/53	Day Labor	Sign & Stripes	8,000
55-7VC7	Ventura	2	B, C	Bet. Calleguas Rd. & 0.2 Mi. W. of Central Ave.	5.4	5/25/54	Watkin & Sibbald	Roadside Development	31,343

INCOMPLETE CONTRACTS—Continued

Contract number	County	Route	Section	Location	Miles	Contract date	Contractor	Type of work	Allotment
54-7VC71	Ventura	2	C	Bet. Central Ave. & Santa Clara Riv.	6.0	6/15/54	Fredrickson & Watson Constr. Co.	Gr., & P.M.S. on U.R.B., 5 R.C. & Stl. Br. & Sep. Str.	$1,770,014
54-7VC73	Ven, S.B	2	F, G; H	Bet. Punta Gorda and 300 ft. W'ly. of Santa Barbara-Ventura Co. Line	2.8	6/16/54	McCammon-Wunderlich Co.	Gr. & P.M.S. on C.T.B.	2,434,882
55-7VC11	Ventura	9, 153, 154	A; A; A, B	At Various Locations	7.2	6/ 3/54	Baker & Pollock	P.M.S.	24,215
54-7VC38	Ven, L.A	60	A, A	Bet. Little Sycamore Cr. & Escondido Canyon	12.3	11/19/53	A. Teichert & Son, Inc.	Gr., C.T.B., P.M.S. & Widen R.C. Br.	1,295,140
54-7VC59-F	Ventura	79	B, Fil	Bet. 0.1 Mi. E. of Lord Cr. & Rte. 155 in Fillmore	2.4	2/26/54	R. R. Hensler	Grade, P.M.S. & 2 R.C. Brs.	705,249
	Ventura			Various Locations				Minor D.L. Projects	50,065
52-14T12	Yolo	6	C	W. Sacramento Frwy.		11/ 7/51	Sacramento Northern Railway	Relocate S.N. Ry. Tracks	160,000
54-3T7	Yolo	6	C	Yolo Causeway to Tower Br.		6/14/54	Day Labor	Signs & Stripes	9,800
54-3TC13	Yolo	6	C	Bet. Yolo Causeway & Tower Br.		2/ 3/54	Howard Electric Co.	Lights & Illum. Signs	58,255
53-3T24	Yolo	7	A	At the Mullen Crossing of the S.P. R.R., 3 Mi. S. of Woodland		5/ 8/53	Day Labor	Widen	14,600
54-3TC4-F	Yol, Sol	7	A, E	See Solano County					
54-3TC12	Yol, Sol	7, 6	A, E	See Solano County					
54-3TC17	Yolo	7	Wd	On Main St. Bet. East St. & Second St.	0.3	6/ 4/54	W. C. Railing	P.M.S.	13,293
55-3TC2	Yol, Pla	50, 7, 87, 3, 17	Var	Various	6.1	5/10/54	A. Teichert & Son, Inc.	P.M.S.	38,439
	Yolo			Various Locations				Minor D.L. Projects	25,020
55-3TC3	Yub, Nev. Pla	15, 17, 37	A, B, C, C	Various Locations	10.3	5/14/54	Howard B. Folsom	P.M.S.	67,497
54-3DC3-P	Yuba	FAS 526		Bet. Stanfield Hill & 2.8 Mi. N'ly.	2.8	4/23/54	W. H. O'Hair Co.	Gr., I.B.M., Pen. Tr. & Sl. Ct.	99,007
	Yuba			Various Locations				Minor D.L. Projects	13,035

APPENDIX D

AVERAGE CONTRACT PRICES

1912 to 1954

AVERAGE CONTRACT PRICES,[4] 1912 TO 1954

Year (Beginning July 1, 1920, Costs are for Fiscal Years ending June 30 of year shown)	Grading[2] (per cu. yd.)	Class "A" (6 sacks per cu. yd.) Portland cement concrete pavement (per cu. yd.)	Class "B"[3] (5 sacks per cu. yd.) Portland cement concrete pavement (per cu. yd.)	Asphalt concrete (per ton)	Plant mixed surfacing (per ton)	Crusher[5] run base (per ton)	Portland cement concrete structures (per cu. yd.)	Bar reinforcing steel (per lb.)	Structural steel (per lb.)
1912	$0.39	------	$5.82	$6.04	------	------	------	------	------
1913	0.46	------	5.91	6.46	------	------	------	------	------
1914	0.51	------	6.75	6.71	------	------	------	------	------
1915	0.45	------	6.26	6.80	------	------	------	------	------
1916	0.37	------	6.37	------	------	------	------	------	------
1917	0.73	$8.03	------	8.52	------	------	------	------	------
1918	0.78	10.51	------	------	------	------	------	------	------
1919	0.96	13.08	------	9.07	------	------	------	------	------
1920[1]	1.10	16.25	------	------	------	------	------	------	------
1921	0.94	17.34	------	9.40	------	------	------	------	------
1922	0.71	14.29	------	7.92	------	------	------	------	------
1923	0.74	13.18	------	8.10	------	------	------	------	------
1924	0.75	13.49	------	7.27	------	------	------	------	------
1925	0.59	10.85	------	6.43	------	------	------	------	------
1926	0.44	10.58	------	5.13	------	------	------	------	------
1927	0.50	10.74	------	5.68	------	------	------	------	------
1928	0.56	10.23	------	4.70	------	------	------	------	------
1929	0.45	10.23	------	4.52	------	------	------	------	------
1930	0.42	8.69	------	4.46	------	------	------	------	------
1931	0.32	8.42	------	3.74	------	------	------	------	------
1932	0.28	7.17	------	3.17	------	------	------	------	------
1933	0.23	5.94	------	2.72	------	------	------	------	------
1934	0.27	7.33	------	3.17	------	------	------	------	------
1935	0.29	8.00	------	3.37	------	------	------	------	------
1936	0.42	8.52	7.44	3.36	------	------	------	------	------

1937	0.36	7.72	7.50	3.51	------	------	------	------	------
1938	0.29	8.00	7.33	2.84	------	------	------	------	------
1939	0.29	7.58	6.88	2.94	------	------	------	------	------
1940	0.22	7.44	7.68	2.97	2.19	1.54	18.33	0.040	0.083
1941	0.26	------	7.54	3.18	2.84	2.31	23.31	0.053	0.107
1942	0.35	------	9.62	4.16	4.02	2.81	29.48	0.073	0.103
1943	0.42	------	11.48	4.76	3.71	2.26	31.76	0.059	0.080
1944	0.50	------	10.46	4.50	4.10	2.45	31.99	0.054	0.132
1945	0.51	------	10.90	4.88	4.20	2.42	37.20	0.059	0.102
1946	0.41	------	9.48	4.68	4.00	2.45	37.38	0.060	0.099
1947	0.46	------	12.38	5.38	4.32	2.42	48.44	0.080	0.138
1948	0.55	------	13.04	5.38	4.30	2.43	49.86	0.092	0.126
1949	0.49	------	12.28	4.64	4.67	2.67	48.67	0.096	0.117
1950	0.40	------	11.11	3.75	4.26	2.25	43.45	0.079	0.094
1951	0.49	------	12.21	5.00	4.34	2.62	47.22	0.102	0.159
1952	0.56	------	13.42	4.38	5.00	2.99	48.08	0.098	0.150
1953	0.51	------	12.74	4.58	5.31	2.14	50.59	0.093	0.133
1954	0.45	------	14.41	4.86	4.50	2.13	48.42	0.094	0.124

[1] Only a six-month period, January 1, 1920, to June 30, 1920.
[2] Includes all earthwork to 1924. Does not include structure excavation since 1924. Roadway excavation only since 1939.
[3] 1:2½:5 mixture used 1912 to 1916.
[4] Weighted averages.
[5] Untreated crushed rock substituted for crusher run base in 1953.

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